WHITE STREET LANDFILL

Greensboro, North Carolina
Phase I Post Closure Monitoring
October 2006 Sampling
S&ME Project No. 1584-98-081

Prepared For:

The City of Greensboro

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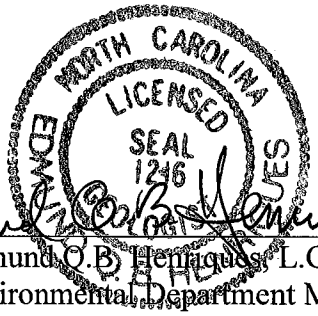
February 9, 2007

I hereby certify this 13th day of February 2007 that this report was prepared by me or under my direct supervision.



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1.0 EXECUTIVE SUMMARY

Five monitoring wells and five stream locations at the White Street Landfill were sampled during October 2006. Five wells (I-1, I-2, I-3, I-4, and MW-13) comprise the groundwater monitoring system for the closed Phase I portion of the White Street Landfill. Monitoring well MW-13 serves as a background well for both the Phase I and the Phase II areas. The sampling was conducted according to North Carolina Solid Waste Management Guidelines. Samples were analyzed by a North Carolina certified laboratory. The samples collected from the Phase I area wells were submitted for analysis using the North Carolina Appendix I organic constituents and eight RCRA Metals for detection monitoring. Samples for well MW-13, shared by Phase I and Phase II, were submitted for analysis using North Carolina Appendix II. Samples from surface water locations SW-1, SW-2, SW-3, SW-4 and SW-5 were analyzed for federal Appendix I detection monitoring constituents. Phase I shares the five surface water monitoring locations with Phase II and Phase III.

Results from the five Phase I monitoring wells indicate volatile organic constituents chlorobenzene, 1,4-dichlorobenzene, and bis(2-ethylhexyl)phthalate were detected at one or more monitoring wells. The detected concentrations of chlorobenzene did not exceed the corresponding NCAC 2L Groundwater quality standard; however, the concentrations of both 1,4-dichlorobenzene, and bis(2-ethylhexyl)phthalate in monitoring wells I-4 and MW-13, respectively, exceed their respective NCAC 2L groundwater quality standards for Class GA groundwater on the date that samples were collected. No other volatile organic compounds were detected at concentrations above the North Carolina Reporting Detection Limit (NC RDL) in any of the remaining Phase I monitoring wells sampled.

Chromium was detected at well I-4 at a concentration that exceeds the corresponding NCAC 2L groundwater quality standard for Class GA groundwater on the date that sample was collected. Lead was also detected in monitoring well I-4 during the current groundwater monitoring event; however, the reported concentration of lead is below the corresponding NCAC 2L groundwater quality standard for Class GA groundwater on the date that sample was collected.

Barium was detected at one or more wells at concentrations that did not exceed the corresponding NCAC 2L groundwater quality standard for Class GA groundwater. No other RCRA metals were

detected at or above the NC RDL in the Phase I monitor wells on the date the samples were collected.

Results from the five surface water samples collected on or near the White Street facility did not detect any Appendix I organic constituents or 8-RCRA metals at concentrations that exceed the NC RDL with the exception of zinc at surface water sampling point SW-3.

2.0 INTRODUCTION

White Street Landfill is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to complete this Phase I water quality monitoring event. Phase I of the landfill is covered by Solid Waste Permit #41-03. **Figure 1** is a map showing the monitor well locations. One upgradient and four down-gradient monitoring wells located along the perimeter of the closed Phase I disposal area were sampled. Five surface water samples were collected from North Buffalo Creek and one of its tributaries in the vicinity of the White Street facility. Phase I shares the surface water sampling locations with adjacent Phase II and Phase III.

The samples collected from Phase I wells I-1, I-2, I-3, and I-4 were analyzed for Appendix I volatile organic constituents and the eight RCRA metals. Since well MW-13 is shared by Phase I and Phase II, the samples collected from MW-13 were analyzed using the federal Appendix II assessment monitoring list. This report discusses the field procedures, summarizes the field measurements and analytical results for the October 2006 water quality monitoring event.

3.0 SCOPE OF WORK

To complete the scope of work, S&ME completed the following tasks:

- Sampled five monitoring wells and five surface water locations at the White Street landfill SWMF.

- Obtained field values for pH, temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and conductivity at each sample location.

- Depth to water measurements were collected during well purging to monitor drawdown.

- Had the samples I-1, I-2, I-3, and I-4 analyzed for Appendix I organic constituents and 8-RCRA metals by a North Carolina certified laboratory, using State approved methods.

- Had the sample MW-13 analyzed for Appendix II constituents by a North Carolina certified laboratory, using State approved methods (e.g. MW-13 is also part of Phase II, which has different analytical requirements).

- Had the samples SW-1, SW-2, SW-3, SW-4, and SW-5 analyzed for Appendix I constituents by a North Carolina certified laboratory, using State approved methods.

- Calculated groundwater flow directions at the Phase I area monitoring well locations.

- Prepared and submitted reports to the City of Greensboro and the State.

4.0 METHODS EMPLOYED

4.1 Monitoring Well Sampling

Phase I groundwater monitoring well sampling took place on October 16th, and 20th, 2006. The monitoring well locations are shown on Figure 1. A representative from S&ME opened each well and measured the static water level from the top edge of the PVC casing in wells. The total well depth sounding data reported for the sampling events completed during September 1997 and May 1998 were used to determine the volume of water in wells I-1, I-2, I-3, I-4, and MW-13; where dedicated MicroPurgeTM pumps had been previously installed. These data are summarized in **Table 1**.

In accordance with the facility's approved Water Quality Monitoring Plan, each well was purged using the dedicated MicroPurge™ pumps using compressed air. At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate varied but was approximately 100 milliliters/minute (ml/min.). During purging, the depth to water was periodically monitored and recorded on the groundwater sampling field data sheets. The field data sheets are included in **Appendix A**.

It is our opinion that the observed drawdowns were generally minor during purging; therefore, the stresses placed on the aquifer should have been minor. The observed drawdown data also suggests that the purging rates should have been low enough such that recharge water should not have been overly agitated, reducing the potential for colloids to be drawn into the well bore.

The purge water from each of these wells was monitored for pH, temperature, DO, turbidity, ORP, and conductivity. A sample was collected when the changes in those readings fluctuated no more than 10 percent. The field data collected during sampling was recorded on the groundwater sampling field data sheets. **Table 2** summarizes the results of the field data.

Groundwater samples were collected from dedicated Teflon tubing at each of the pumped wells. Immediately upon collection, each sample was placed in laboratory supplied containers, packed on ice, and placed under chain-of custody. The sampling technician wore latex gloves that were changed between wells to reduce the possibility of cross contamination. After collection, the groundwater samples were packed on ice and placed under chain-of custody.

All Phase I monitoring well samples (I-1, I-2, I-3, and I-4) were analyzed for Appendix I volatile organic constituents and the eight RCRA metals. Monitor well MW-13 was analyzed for Appendix II constituents since it is shared with Phase II as a background groundwater quality monitoring well for both Phase I and Phase II. Analyses were conducted by Environmental Conservation Laboratories; a North Carolina certified laboratory.

4.2 Stream Sampling

Surface water sampling took place on October 19, 2006. Four stream samples (SW-1, SW-3, SW-4, and SW-5) were collected from North Buffalo Creek, which flows along the northwestern side of the White Street Landfill. Surface water sample SW-2 was collected from a tributary of North Buffalo Creek. The locations are shown in **Figure 2**. SW-1 was collected upstream from the landfill near the US Highway 29 bridge. SW-2 was collected from a southern tributary of North Buffalo Creek just before it joins the main creek west of the landfill entrance. SW-3 was collected downstream of the North Buffalo Wastewater Treatment Plant outfall and upstream of the landfill. SW-4 was collected downstream of the landfill at a USGS gauging station located on North Buffalo Creek about three-quarters of a mile north of the landfill. SW-5 was collected from North Buffalo Creek immediately downstream of the Phase I and II landfill disposal areas.

The surface water samples were collected by immersing laboratory supplied containers in the water to be sampled. After collection, the surface water samples were packed on ice and placed under chain-of-custody. All stream samples were analyzed for Appendix I inorganic and volatile organic constituents by Environmental Conservation Laboratories; a North Carolina certified laboratory.

5.0 RESULTS

5.1 Groundwater Analytical Results

The results of the laboratory analyses for Appendix I volatile organic constituents and the eight RCRA metals in the closed Phase I area groundwater monitoring well samples are summarized in **Tables 3** and **4** and the complete laboratory reports are included in Appendix B. Wells I-1, I-2, I-3, I-4, and MW-13 monitor the closed Phase I area. The following summarizes the groundwater sample analyses.

- Volatile organic compound chlorobenzene was detected solely at monitoring wells I-2, I-3, and I-4 at concentrations of 5.6 µg/L, 13 µg/L, and 12 µg/L, respectively. The detected concentrations are less than the 50 µg/L NCAC 2L groundwater quality standard.

- Volatile organic compound 1,4-dichlorobenzene was detected solely at monitoring well I-4 at a concentration of 5 µg/L. The detected concentration exceeds the 1.4 µg/L NCAC 2L groundwater quality standard.

- Semi-Volatile organic compound bis(2-ethylhexyl)phthalate was detected solely at monitoring well MW-13 at a concentration of 29 µg/L. The detected concentration exceeds the corresponding NCAC 2L groundwater quality standard of 2.5 µg/L. The results of the laboratory analyses for Appendix I Semi-Volatile Organic Compounds in groundwater samples are summarized in **Table 7**.

- Inorganic constituent barium was detected solely at monitoring wells I-2 and I-4 at concentrations of 514 µg/L and 930 µg/L, respectively. The detected concentrations are less than the corresponding NCAC 2L groundwater quality standard of 2,000 µg/L.

- Inorganic constituent chromium was detected solely at monitoring wells I-2 at a reported concentration of 66 µg/L. The concentration detected at well I-4 exceeds the corresponding NCAC 2L groundwater quality standard of 50 µg/L.

- Inorganic constituent lead was detected solely at monitoring well I-4 at a reported concentration of 11.7 µg/L. However, the reported concentration is less than the corresponding NCAC 2L groundwater quality standard of 15 µg/L.

5.2 Groundwater Flow Direction

The static water levels in the Phase I monitoring wells were measured in October 2006. The depth to the water table ranged from 3.60 to 19.61 feet below the top of well casing on this date. Groundwater and well casing elevation data are presented in Table 1. A groundwater contour map constructed using the data collected in October 2006 is presented as Figure 1. The groundwater elevation data collected during this monitoring event indicates that the groundwater beneath Phase I generally flows toward the west and northwest, toward Buffalo Creek. This is, in general, consistent with the results from previous monitoring events.

5.3 Surface Water

The results of the laboratory analyses for Appendix I constituents in the surface water samples are summarized in **Tables 5** and **6.** No Appendix I volatile organic or inorganic compounds were detected at any of the surface water sample locations on the dates sampled with the exception of zinc at surface sampling location SW-3. The reported concentration of 60.9 µg/L at SW-3 exceeds the 15A NCAC 2B Surface Water Standard of 50 µg/L. The complete laboratory reports are included in Appendix B.

5.4 Quality Assurance

The monitoring wells in Phase I were sampled using dedicated micro-purge pumps. Therefore, no equipment rinse samples were collected for analysis for data quality control. Trip blank samples accompanied the sample bottles from the time they left the laboratory until they returned. The trip blank samples were analyzed for Appendix I volatile organic constituents. No volatile organic constituents were present in the trip blank samples at detectable levels. Laboratory QC samples were analyzed for all constituents included in this sampling event. The results of the trip blank and laboratory QC sample analyses are included in Appendix B.

6.0 REFERENCES

Fetter, C. W., 1988, Applied Hydrogeology, New York; Macmillian Publishing Company, 1988, 592 pp.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2L, Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina, Sections .0100, .0200, and .0300 (November 8, 1993); from the Environmental Management Commission Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2B, Classifications and Water

Quality Standards Applicable to the Surface Waters of North Carolina, Section .0200 (April 1, 1991); from the Environmental Management Commission, Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Solid Waste Management, subchapter 13B, Solid Waste Management, Section .1600 (January 1, 1997).

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TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY (10/06)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
			April 24, 2006		October 20, 2006	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
I-1	776.11	23.36	8.94	767.17	9.83	766.28
I-2	768.58	23.13	4.66	763.92	5.16	763.42
I-3	764.65	24.22	13.03	751.62	13.82	750.83
I-4	759.83	14.57	2.49	757.34	3.60	756.23
MW-13	741.30	33.78	21.05	720.25	19.61	721.69

TOC = Top of Casing. Elevations determined by survey: HDR Engineering, Inc.
Depth of well data as reported by BPA Environmental & Engineering, Inc.
DTGW = Depth to Groundwater
Elevation = calculated groundwater elevation

TABLE 2
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY (10/06)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Location: I-1

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1005	16-Oct-06	15.86	60.548	5.52	2.10	-69	2.56	1.46	9.83
1010	16-Oct-06	15.95	60.710	5.53	2.10	-66	1.92	1.71	
1015	16-Oct-06	15.84	60.512	5.51	2.09	-63	1.45	1.99	
1020	16-Oct-06	15.68	60.224	5.5	2.09	-61	1.11	1.85	
1025	16-Oct-06	15.66	60.188	5.5	2.09	-63	0.93	1.83	
1030	16-Oct-06	15.79	60.422	5.49	2.09	-65	1.1	1.78	

Location: I-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1055	16-Oct-06	16.8	62.24	6.04	2.56	-158	1.72	77.6	5.16
1100	16-Oct-06	16.8	62.24	6	2.58	-158	0.99	80	
1105	16-Oct-06	16.81	62.258	5.98	2.59	-157	0.65	141	
1110	16-Oct-06	16.94	62.492	5.97	2.6	-157	0.5	214	
1115	16-Oct-06	17.00	62.6	5.96	2.59	-158	0.45	197	
1120	16-Oct-06	16.88	62.384	5.96	2.59	-157	0.48	197	
1125	16-Oct-06	16.82	62.276	5.96	2.59	-159	0.4	200	

Location: I-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1150	16-Oct-06	15.9	60.62	6.23	3.28	-163	1.73	71.4	13.82
1155	16-Oct-06	15.91	60.638	6.17	3.30	-163	0.62	44.4	
1200	16-Oct-06	15.97	60.746	6.18	3.15	-158	0.51	26.1	
1205	16-Oct-06	16.04	60.872	6.2	3.08	-153	0.58	21.9	
1210	16-Oct-06	16.08	60.944	6.2	3.07	-146	0.6	21.0	
1215	16-Oct-06	16.15	61.07	6.2	3.05	-140	0.52	21.2	
1220	16-Oct-06	16.18	61.124	6.19	3.03	-138	0.46	22.6	
1225	16-Oct-06	16.15	61.07	6.19	3.02	-138	0.41	23.4	

Location: I-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1245	16-Oct-06	16.7	62.06	6.61	2.96	-175	0.75	166	3.60
1250	16-Oct-06	16.79	62.222	6.61	2.96	-176	0.3	223	
1255	16-Oct-06	16.73	62.114	6.61	2.96	-177	0.25	254	
1300	16-Oct-06	17.03	62.654	6.6	2.96	-181	0.22	336	
1305	16-Oct-06	17.05	62.69	6.6	2.95	-192	0.17	460	
1310	16-Oct-06	17.05	62.69	6.6	2.92	-199	0.17	479	
1315	16-Oct-06	17.03	62.654	6.61	2.81	-205	0.15	538	
1320	16-Oct-06	17.07	62.726	6.6	2.75	-206	0.15	474	
1325	16-Oct-06	17.11	62.798	6.6	2.72	-207	0.14	500	
1330	16-Oct-06	17.2	62.96	6.6	2.60	-207	0.14	493	

Location: MW-13

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1435	20-Oct-06	17.27	63.086	6.48	0.524	-165	4.22	15.3	19.61
1440	20-Oct-06	16.54	61.772	6.46	0.548	-171	3.47	8.3	
1445	20-Oct-06	16.34	61.412	6.4	0.525	-168	3.61	7.3	
1450	20-Oct-06	16.4	61.52	6.36	0.512	-165	3.63	8.20	
1455	20-Oct-06	16.36	61.448	6.35	0.498	-162	3.65	8.40	

Location: SW-1

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0835	4/26/2006	18.3	64.94	7.11	0.195				

TABLE 2
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY (10/06)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Location: SW-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0730	4/26/2006	16.26	61.268	6.99	0.182				

Location: SW-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0815	4/26/2006	18.47	65.246	6.86	0.335				

Location: SW-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0915	4/26/2006	19.05	66.29	7.2	0.286				

Location: SW-5

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1705	4/25/2006	22.24	72.032	7.38	0.404				

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY (10/06)
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					NC RDL	NCAC 2L stds.
	I-1	I-2	I-3	I-4	MW-13		
Chloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Vinyl Chloride	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.015
Bromomethane	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Chloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	10	2800
Trichlorofluoromethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	2100
1,1-Dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	5	7
Acetone	BRDL	BRDL	BRDL	BRDL	BRDL	100	700
Iodomethane	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Carbon Disulfide	BRDL	BRDL	BRDL	BRDL	BRDL	100	700
Methylene Chloride	BRDL	BRDL	BRDL	BRDL	BRDL	10	5
Acrylonitrile	BRDL	BRDL	BRDL	BRDL	BRDL	200	ns
trans-1,2-Dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	5	70
1,1-Dichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	700
Vinyl Acetate	BRDL	BRDL	BRDL	BRDL	BRDL	50	ns
cis 1,2-dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	5	70
2-Butanone	BRDL	BRDL	BRDL	BRDL	BRDL	100	170
Bromochloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
Chloroform	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.19
1,1,1-Trichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	200
Carbon Tetrachloride	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.3
Benzene	BRDL	BRDL	BRDL	BRDL	BRDL	5	1
1,2-Dichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.38
Trichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	5	2.8
1,2-Dichloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.56
Dibromomethane	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Bromodichloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.6
cis 1,3-dichloropropene	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.2
4-Methyl-2-Pentanone	BRDL	BRDL	BRDL	BRDL	BRDL	100	ns
Toluene	BRDL	BRDL	BRDL	BRDL	BRDL	5	1000
trans 1,3-dichloropropene	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.2
1,1,2-Trichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
Tetrachloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.7
2-Hexanone	BRDL	BRDL	BRDL	BRDL	BRDL	50	ns
Dibromochloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
1,2-Dibromoethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.0004
Chlorobenzene	BRDL	**5.6**	**13**	**12**	BRDL	5	50
1,1,1,2-Tetrachloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
Ethylbenzene	BRDL	BRDL	BRDL	BRDL	BRDL	5	29
m & p, Xylenes	BRDL	BRDL	BRDL	BRDL	BRDL	5	530
o-Xylenes	BRDL	BRDL	BRDL	BRDL	BRDL	5	530
Styrene	BRDL	BRDL	BRDL	BRDL	BRDL	10	100
Bromoform	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.19
1,1,2,2-Tetrachloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
1,2,3-Trichloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	15	ns
trans 1,4-Dichloro-2-Butene	BRDL	BRDL	BRDL	BRDL	BRDL	100	ns
1,4-Dichlorobenzene	BRDL	BRDL	BRDL	**5**	BRDL	5	1.4
1,2-Dichlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	5	620
1,2-Dibromo-3-Chloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	25	0.025

All concentrations reported in micrograms per liter (µg/L)

NC RDL = ***North Carolina's Reporting Detection Limit***

BRDL = ***Below the North Carolina Reportable Detection Limit (NC RDL)***

NCAC 2L stds. = ***15A North Carolina Administrative Code 2L .0200, GW Quality Standards for Class GA groundwater.***

ns = ***no standard listed according to NCAC 2L***

Yellow highlights indicate a measurement higher than the PQL.

Orange highlights indicate a measurement higher than 2L standards.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY (10/06)
8-RCRA METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Constituent	Sample Locations					NC RDL	NCAC 2L stds.
	I-1	I-2	I-3	I-4	MW-13		
Arsenic	BRDL	BRDL	BRDL	BRDL	BRDL	10	5
Barium	BRDL	**514**	BRDL	**930**	BRDL	500	2000
Cadmium	BRDL	BRDL	BRDL	BRDL	BRDL	1	1.75
Chromium	BRDL	BRDL	BRDL	**66**	BRDL	10	50
Lead	BRDL	BRDL	BRDL	**11.7**	BRDL	10	15
Mercury	BRDL	BRDL	BRDL	BRDL	BRDL	0.5	1.1
Selenium	BRDL	BRDL	BRDL	BRDL	BRDL	20	50
Silver	BRDL	BRDL	BRDL	BRDL	BRDL	10	18

All concentrations reported in micrograms per liter (ug/L)

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater.

ns = no standard listed according to NCAC 2L

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

Yellow highlights indicate a measurement higher than the PQL.

Orange highlights indicate a measurement higher than 2L standards.

TABLE 5
SURFACE WATER ANALYTICAL RESULTS SUMMARY (10/06)
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					15A NCAC 2B	NC RDL
	SW-1	SW-2	SW-3	SW-4	SW-5	Standards*	
Chloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Vinyl Chloride	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Bromomethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Chloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Trichlorofluoromethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,1-Dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Acetone	BRDL	BRDL	BRDL	BRDL	BRDL	ns	100
Iodomethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Carbon Disulfide	BRDL	BRDL	BRDL	BRDL	BRDL	ns	100
Methylene Chloride	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Acrylonitrile	BRDL	BRDL	BRDL	BRDL	BRDL	ns	200
trans-1,2-Dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1.1-Dichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Vinyl Acetate	BRDL	BRDL	BRDL	BRDL	BRDL	ns	50
cis 1,2-dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
2-Butanone	BRDL	BRDL	BRDL	BRDL	BRDL	ns	100
Bromochloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Chloroform	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,1,1-Trichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Carbon Tetrachloride	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Benzene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,2-Dichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Trichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,2-Dichloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Dibromomethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10

All concentrations = micrograms per liter (ug/L)

**** = Title 15A NCAC 2B Standards for Class B, C surface water***

ns = Title 15A NCAC 2B provides no established standard for these constituents

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

Yellow highlights indicate a measurement higher than the PQL.

Orange highlights indicate a measurement higher than 2B standards.

TABLE 5 (Cont.)
SURFACE WATER ANALYTICAL RESULTS SUMMARY (10/06)
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					15A NCAC 2B	NC RDL
	SW-1	SW-2	SW-3	SW-4	SW-5	Standards*	
Bromodichloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
cis 1,3-dichloropropene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
4-Methyl-2-Pentanone	BRDL	BRDL	BRDL	BRDL	BRDL	ns	100
Toluene	BRDL	BRDL	BRDL	BRDL	BRDL	11	5
trans 1,3-dichloropropene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
1,1,2-Trichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Tetrachloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
2-Hexanone	BRDL	BRDL	BRDL	BRDL	BRDL	ns	50
Dibromochloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,2-Dibromoethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Chlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,1,1,2-Tetrachloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Ethylbenzene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
m & p, Xylenes	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
o-Xylenes	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
Styrene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	10
Bromoform	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,1,2,2-Tetrachloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,2,3-Trichloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	15
trans 1,4-Dichloro-2-Butene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	100
1,4-Dichlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,2-Dichlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	ns	5
1,2-Dibromo-3-Chloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	ns	25

All concentrations = micrograms per liter (ug/L)
**** = Title 15A NCAC 2B Standards for Class B, C surface water***
ns = Title 15A NCAC 2B provides no established standard for these constituents
NC RDL = North Carolina's Reporting Detection Limit
BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)
Yellow highlights indicate a measurement higher than the PQL.
Orange highlights indicate a measurement higher than 2B standards.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS SUMMARY (10/06)
APPENDIX I - METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					NC RDL	15A NCAC 2B
	SW-1	SW-2	SW-3	SW-4	SW-5		Standards*
Antimony	BRDL	BRDL	BRDL	BRDL	BRDL	30	ns
Arsenic	BRDL	BRDL	BRDL	BRDL	BRDL	10	50
Barium	BRDL	BRDL	BRDL	BRDL	BRDL	500	ns
Beryllium	BRDL	BRDL	BRDL	BRDL	BRDL	2	6.5
Cadmium	BRDL	BRDL	BRDL	BRDL	BRDL	1	2
Chromium	BRDL	BRDL	BRDL	BRDL	BRDL	10	50
Cobalt	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Copper	BRDL	BRDL	BRDL	BRDL	BRDL	200	ns
Lead	BRDL	BRDL	BRDL	BRDL	BRDL	10	25
Nickel	BRDL	BRDL	BRDL	BRDL	BRDL	50	88
Selenium	BRDL	BRDL	BRDL	BRDL	BRDL	20	5
Silver	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Thallium	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Vanadium	BRDL	BRDL	BRDL	BRDL	BRDL	40	ns
Zinc	BRDL	BRDL	60.9	BRDL	BRDL	50	50

All concentrations reported in micrograms (µg/L) per liter

** = Title 15A NCAC 2B Standards for Class B, C surface water*

ns = Title 15A NCAC 2B provides no established standard for these constituents

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

Yellow highlights indicate a measurement higher than the PQL.

Orange highlights indicate a measurement higher than 2B standards.

Table 7

Groundwater Analytical Results Summary (10/06)
Semi-Volatile Organic Compounds (EPA Method 8270)
Phase I - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Location MW-13	NC RDL (µg/l)	NCAC 2L stds.
1,2,4,5-Tetrachlorobenzene	BRDL	10.0	ns
1,3,5-Trinitrobenzene	BRDL	10.0	ns
1,4-Naphthoquinone	BRDL	10.0	ns
1-Naphthylamine	BRDL	10.0	ns
2,3,4,6-Tetrachlorophenol	BRDL	10.0	ns
2,4,5-Trichlorophenol	BRDL	10.0	ns
2,4,6-Trichlorophenol	BRDL	10.0	210
2,4-Dichlorophenol	BRDL	10.0	ns
2,4-Dimethylphenol	BRDL	10.0	ns
2,4-Dinitrophenol	BRDL	50.0	ns
2,4-Dinitrotoluene	BRDL	10.0	ns
2,6-Dichlorophenol	BRDL	10.0	ns
2,6-Dinitrotoluene	BRDL	10.0	ns
2-Acetylaminofluorene	BRDL	20.0	ns
2-Chloronaphthalene	BRDL	10.0	ns
2-Chlorophenol	BRDL	10.0	0.1
2-Methyl-4,6-dinitrophenol	BRDL	50.0	ns
2-Methylnaphthalene	BRDL	10.0	28
2-Methylphenol	BRDL	10.0	ns
2-Naphthylamine	BRDL	10.0	ns
2-Nitroaniline	BRDL	50.0	ns
2-Nitrophenol	BRDL	10.0	ns
3 & 4-Methylphenol	BRDL	20.0	ns
3,3'-Dichlorobenzidine	BRDL	10.0	ns
3,3'-Dimethylbenzidine	BRDL	10.0	ns
3-Methylcholanthrene	BRDL	10.0	ns
3-Nitroaniline	BRDL	50.0	ns

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

ns = no corresponding NCAC 2L groundwater quality standard

All concentrations reported in micrograms per liter (ug/L)

Table 7

Groundwater Analytical Results Summary (10/06)
Semi-Volatile Organic Compounds (EPA Method 8270)
Phase I - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Location MW-13	NC RDL (µg/l)	NCAC 2L stds.
4-Aminobiphenyl	BRDL	20.0	ns
4-Bromophenylphenyl ether	BRDL	10.0	ns
4-Chloro-3-methylphenol	BRDL	20.0	ns
4-Chloroaniline	BRDL	20.0	ns
4-Chlorophenyl phenyl ether	BRDL	10.0	ns
4-Nitroaniline	BRDL	20.0	ns
4-Nitrophenol	BRDL	50.0	ns
5-Nitro-o-Toluidine	BRDL	10.0	ns
7,12-Dimethylbenz(a)anthracene	BRDL	10.0	ns
Acenaphthene	BRDL	10.0	80
Acenaphthylene	BRDL	10.0	210
Acetophenone	BRDL	10.0	ns
Anthracene	BRDL	10.0	2100
Benzo(a)anthracene	BRDL	10.0	0.05
Benzo(a)pyrene	BRDL	10.0	0.0047
Benzo(b)fluoranthene	BRDL	10.0	0.047
Benzo(g,h,i)perylene	BRDL	10.0	210
Benzo(k)fluoranthene	BRDL	10.0	0.47
Benzyl Alcohol	BRDL	20.0	ns
Benzylbutyl phthalate	BRDL	10.0	ns
Bis(2-chloroethoxy)methane	BRDL	10.0	ns
Bis(2-chloroethyl)ether	BRDL	10.0	ns
Bis(2-chloroisopropyl)ether	BRDL	10.0	ns
Bis(2-ethylhexyl)phthalate	29	20.0	3
Chlorobenzilate	BRDL	10.0	ns
Chrysene	BRDL	10.0	5
Di-n-butyl phthalate	BRDL	10.0	700

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

ns = no corresponding NCAC 2L groundwater quality standard

All concentrations reported in micrograms per liter (ug/L)

Table 7

Groundwater Analytical Results Summary (10/06)
Semi-Volatile Organic Compounds (EPA Method 8270)
Phase I - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Location	NC RDL	NCAC 2L
	MW-13	(µg/l)	stds.
Di-n-octyl phthalate	BRDL	10.0	140
Diallate	BRDL	10.0	ns
Dibenzo(a,h)anthracene	BRDL	10.0	0.0047
Dibenzofuran	BRDL	10.0	ns
Diethyl phthalate	BRDL	10.0	5000
Dimethoate	BRDL	20.0	ns
Dimethyl phthalate	BRDL	10.0	ns
Diphenylamine	BRDL	10.0	ns
Disulfoton	BRDL	10.0	ns
Ethyl methanesulfonate	BRDL	10.0	ns
Famphur	BRDL	20.0	ns
Fluoranthene	BRDL	10.0	280
Fluorene	BRDL	10.0	320
Hexachlorobenzene	BRDL	10.0	0.02
Hexachlorobutadiene	BRDL	10.0	ns
Hexachlorocyclopentadiene	BRDL	10.0	ns
Hexachloroethane	BRDL	10.0	ns
Hexachloropropene	BRDL	20.0	ns
Indeno(1,2,3-cd)pyrene	BRDL	10.0	0.047
Isodrin	BRDL	20.0	ns
Isophorone	BRDL	10.0	36.8
Isosafrole	BRDL	10.0	ns
m-Dinitrobenzene	BRDL	20.0	ns
Methapyrilene	BRDL	100.0	ns
Methyl Parathion	BRDL	10.0	ns
Methyl methanesulfonate	BRDL	10.0	ns
N-Nitrosodi-n-Butylamine	BRDL	10.0	ns

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

ns = no corresponding NCAC 2L groundwater quality standard

All concentrations reported in micrograms per liter (ug/L)

Table 7

Groundwater Analytical Results Summary (10/06)
Semi-Volatile Organic Compounds (EPA Method 8270)
Phase I - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Location	NC RDL	NCAC 2L
	MW-13	(µg/l)	stds.
N-Nitrosodi-n-Propylamine	BRDL	10.0	ns
N-Nitrosodiethylamine	BRDL	10.0	ns
N-Nitrosodimethylamine	BRDL	10.0	0.0007
N-Nitrosodiphenylamine	BRDL	10.0	ns
N-Nitrosomethylethylamine	BRDL	10.0	ns
N-Nitrosopiperidine	BRDL	20.0	ns
N-Nitrosopyrrolidine	BRDL	40.0	ns
Naphthalene	BRDL	10.0	21
Nitrobenzene	BRDL	10.0	ns
o,o,o-Triethyl Phosphorothioate	BRDL	10.0	ns
o-Toluidine	BRDL	10.0	ns
p-(dimethylamino)azobenzene	BRDL	10.0	ns
p-Phenylenediamine	BRDL	10.0	ns
Parathion	BRDL	10.0	ns
Pentachlorobenzene	BRDL	10.0	ns
Pentachloronitrobenzene	BRDL	20.0	ns
Pentachlorophenol	BRDL	50.0	0.3
Phenacetin	BRDL	20.0	ns
Phenanthrene	BRDL	10.0	210
Phenol	BRDL	10.0	300
Phorate	BRDL	10.0	ns
Pronamide	BRDL	10.0	ns
Pyrene	BRDL	10.0	210
Safrole	BRDL	10.0	ns
Thionazin	BRDL	20.0	ns
Keptone	BRDL	20.0	ns

NC RDL = North Carolina's Reporting Detection Limit

BRDL = Below the North Carolina Reportable Detection Limit (NC RDL)

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

ns = no corresponding NCAC 2L groundwater quality standard

All concentrations reported in micrograms per liter (ug/L)

FIGURES

N
W E
S

LEGEND:
- (2) SURFACE WATER SAMPLING POINT
- MONITORING WELL LOCATION
- (766.28) GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER CONTOUR LINE

(1) AT US 29 BRIDGE (APPROXIMATELY 1 MILE WEST)

(2) WHITE STREET

(3) BELOW NORTH BUFFALO CREEK WASTE WATER DISCHARGE (APPROXIMATELY 1000' WEST)

(4) AT USGS GAGING STATION BRIDGE ON RANKIN MILL ROAD (APPROXIMATELY 800' EAST)

(5)

BUFFALO CREEK

NORTH

I-1 (766.28)
I-2 (763.42)
I-3 (750.83)
I-4 (756.23)
I-5
II-1
II-2
II-3
II-4
II-5
II-6
II-7
II-8
MW-13 (721.69)
MW-14

760
750
740
730

YARD WASTE AND COMPOSTING AREA

GROUNDWATER FLOW MAP
PHASE I
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE:	AS SHOWN	DRAWN BY:	RDM
JOB NO.	1584-98-081	DATE:	DECEMBER 2006
CHECKED BY:	CW		
FIGURE NO.	1		

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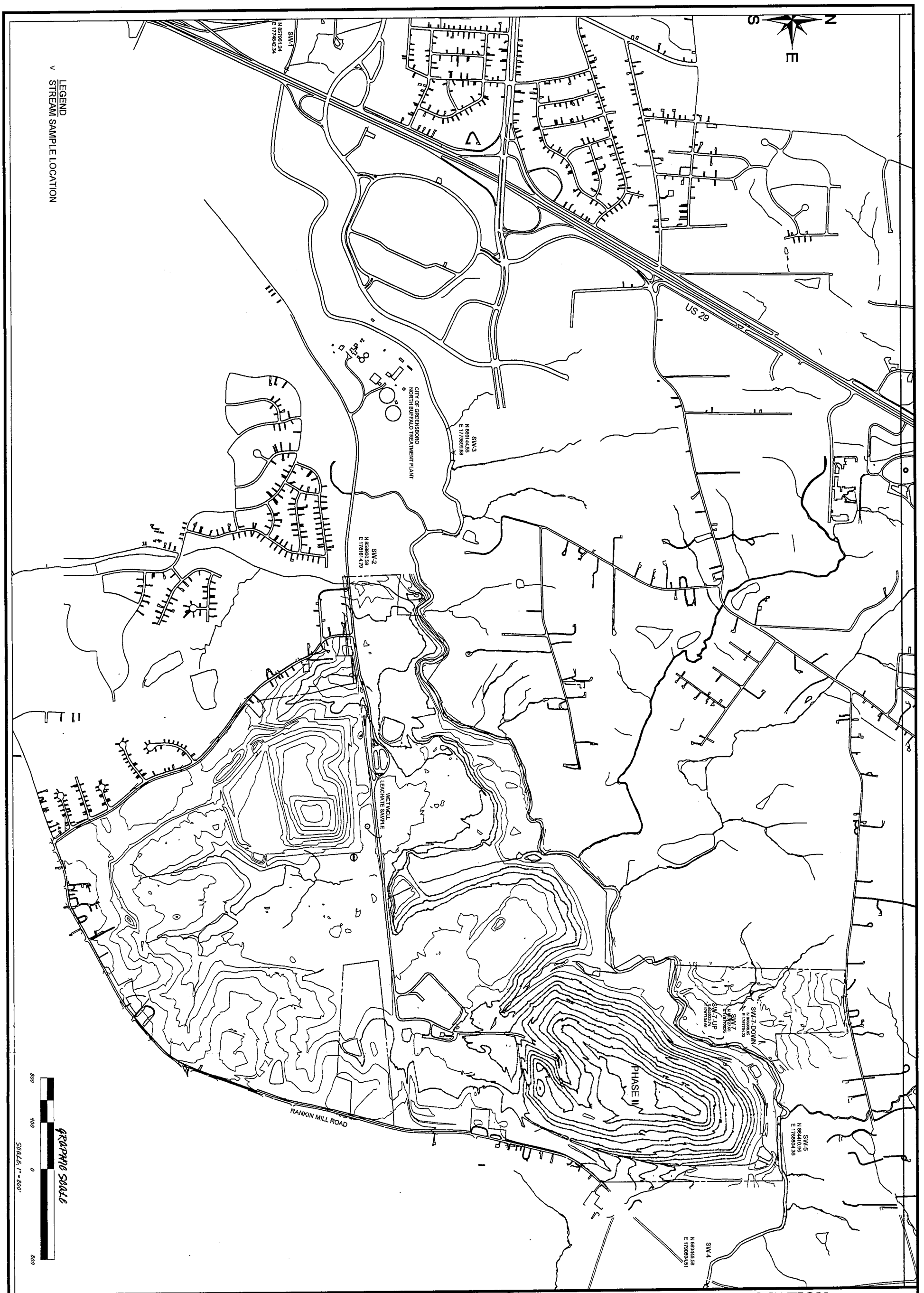

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STREAM SAMPLE LOCATION
PHASE I
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE:	DRAWN BY:	CHECKED BY:
AS SHOWN	DSB/RDM	CW
JOB NO.	DATE:	FIGURE NO.
1584-98-081	DECEMBER 2006	2

APPENDIX A

Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 10/16/06

Project No.: 1584-98-081 | Purge Time:

Source Well: I-1 | Sample Date: 10/16/06

Locked? (Yes) No | Sample Time: 1035

(PVC) Steel Stainless | Weather: SUNNY / CLEAR

Sampled By: GS / MC | Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 9.83 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time: Start _____ Stop _____

Purge Rate: 100 mL liter/min

Purge Time: Start 1000 Stop 1030

control settings: 25 OFF @ 22 cycles

changes? _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

* *Stabilization Parameters*

Time	1005	1010	1015	1020	1025	1030		
Temp	15.86	15.95	15.84	15.68	15.66	15.79		
pH	5.52	5.53	5.51	5.50	5.50	5.49		
Conductivity	2.10	2.10	2.09	2.09	2.09	2.09		
ORP*	-69	-66	-63	-61	-63	-65		
D.O.*	2.56	1.92	1.45	1.11	.93	1.10		
Turbidity*	1.46	1.71	1.99	1.85	1.83	1.78		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 10/16/06

Project No.: 1584-98-081 | Purge Time:

Source Well: I-2 | Sample Date: 10/16/06

Locked? (Yes) No | Sample Time: 1130

(PVC) Steel Stainless | Weather: P/CLOUDY

Sampled By: GS/MC | Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 5.16 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start: Stop:

Purge Time Start: 1050 Stop: 1125

Purge Rate: 100 mL liter/min

control settings: 4.5 ON 15 OFF @ 20 PSI cycles:

changes? duration:

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry: Yes No

Field Analyses

* *Stabilization Parameters*

Time	1055	1100	1105	1110	1115	1120	1125	
Temp	16.80	16.80	16.81	16.94	17.0	16.88	16.82	
pH	6.04	6.00	5.98	5.97	5.96	5.96	5.96	
Conductivity	2.56	2.58	2.59	2.60	2.59	2.59	2.59	
ORP*	-158	-158	-157	-157	-158	-157	-158	
D.O.*	1.72	.99	.65	.50	.45	.48	.40	
Turbidity*	77.6	80	191	214	197	197	200	

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 10/16/06

Project No.: 1584-98-081 | Purge Time:

Source Well: I-3 | Sample Date: 10/16/06

Locked? (Yes) No | Sample Time: 1230

(PVC) Steel Stainless | Weather: Cloudy

Sampled By: GS/MC | Air Temp: 62°

Water Level and Well Data

Depth to water from measuring point: 13.82 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: pump

Sample Method: pump

Sample Collection Time: Start _____ Stop _____

Purge Time: Start 1145 Stop 1225

Purge Rate: 100 mL liter/min

control settings: 5 on 21 off @ 23 psi cycles

changes? _____ duration

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

* *Stabilization Parameters*

Time	1150	1155	1200	1205	1210	1215	1220	1225
Temp	15.90	15.91	15.97	16.04	16.08	16.15	16.18	16.15
pH	6.23	6.17	6.18	6.20	6.20	6.20	6.19	6.19
Conductivity	3.28	3.30	3.15	3.08	3.07	3.05	3.03	3.02
ORP*	-163	-163	-158	-153	-146	-140	-138	-138
D.O.*	1.73	.62	.51	.58	.60	.52	.46	.41
Turbidity*	71.4	44.4	26.1	21.9	21.0	21.2	22.6	23.4

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 10/16/06

Project No.: 1584-98-081 | Purge Time:

Source Well: I-4 | Sample Date: 10/16/06

Locked? (Yes) No | Sample Time: 1335

(PVC) Steel Stainless | Weather: CLOUDY

Sampled By: ~~TSO~~ GS/ML | Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 3.60 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start: Stop:

Purge Time Start: 1240 Stop: 1330

Purge Rate: 100 mL liter/min

control settings: 3.5 ON 25 OFF @ 15 PSI cycles:

changes? duration:

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry: Yes No

Field Analyses

* *Stabilization Parameters*

Time	1245	1250	1255	1300	1305	1310	1315	1320	1325	1330
Temp	16.70	16.79	16.73	17.03	17.05	17.05	17.03	17.07	17.11	17.2
pH	6.61	6.61	6.61	6.60	6.60	6.61	6.60	6.60	6.60	6.6
Conductivity	2.96	2.96	2.96	2.96	2.95	2.92	2.81	2.75	2.72	2.6
ORP*	-175	-176	-177	-181	-192	-199	-205	-206	-207	-20
D.O.*	.75	.30	.25	.22	.17	.17	.15	.15	.14	.14
Turbidity*	166	223	254	336	460	479	538	474	500	493

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 10/20/06

Project No.: 1584-98-081 | Purge Time:

Source Well: MW-13 | Sample Date: 10/20/06

Locked? (Yes) No | Sample Time: 1500

(PVC) Steel Stainless | Weather: SUNNY | WINDY

Sampled By: GARY SIMCOX | Air Temp: 65°

Water Level and Well Data

Depth to water from measuring point: 19.61 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time: Start _____ Stop _____

Purge Rate: 100 mL ~~liter~~/min

Purge Time: Start 1430 Stop 1455

control settings: 5.5 on 24.5 off @ 26A | cycles

changes? _____ | duration

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

* *Stabilization Parameters*

Time	1435	1440	1445	1450	1455						
Temp	17.27	16.54	16.34	16.40	16.36						
pH	6.48	6.46	6.40	6.36	6.35						
Conductivity	.524	.548	.525	.512	.498						
ORP*	-165	-171	-168	-165	-162						
D.O.*	4.22	3.97	3.61	3.63	3.65						
Turbidity*	18.3	8.3	7.3	8.2	8.4						
H_2O		19.99		20.29							

APPENDIX B

Laboratory Analytical Reports

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Wednesday, December 13, 2006

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Project Number: [none], Project Name/Desc: White Street Landfill AppI Voa/RCRA Metals
ENCO Workorder: C603834

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, October 20, 2006.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 18.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: I-1 **Lab ID:** C603834-01

Sampled: 10/16/06 10:35 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 10:59	10/24/2006 16:56
EPA 7470A	11/13/06	10/23/06 16:10	10/26/2006 16:18
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 18:23

Client ID: I-2 **Lab ID:** C603834-02

Sampled: 10/16/06 11:30 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 10:59	10/24/2006 17:03
EPA 7470A	11/13/06	10/23/06 16:10	10/26/2006 16:19
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 18:50

Client ID: I-3 **Lab ID:** C603834-03

Sampled: 10/16/06 12:30 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 10:59	10/24/2006 17:10
EPA 7470A	11/13/06	10/23/06 16:10	10/26/2006 16:21
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 19:16

Client ID: I-4 **Lab ID:** C603834-04

Sampled: 10/16/06 13:35 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 10:59	10/24/2006 17:17
EPA 7470A	11/13/06	10/23/06 16:10	10/26/2006 16:24
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 19:42

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ANALYTICAL REPORT

Sample ID:	I-1	Project:	White Street Landfill Appl Voa/RCRA Metals
Lab #:	C603834-01	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	I-1	Project:	White Street Landfill AppI Voa/RCRA Metals
Lab #:	C603834-01	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	48	50.0	96 %	70-130
Dibromofluoromethane	1868-53-7	58	50.0	117 %	73-138
Toluene-d8	2037-26-5	58	50.0	116 %	77-118

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ANALYTICAL REPORT

Sample ID: I-1
Lab #: C603834-01

Project: White Street Landfill Appl Voa/RCRA Metals
Work Order #: C603834
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23016
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23016
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Mercury	7439-97-6	0.5 U	0.20	0.5	ug/L	EPA 7470A	EPA 7470A	6J23025
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23016
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016

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ANALYTICAL REPORT

Sample ID:	I-2	Project:	White Street Landfill AppI Voa/RCRA Metals
Lab #:	C603834-02	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	**5.6**	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	I-2	Project:	White Street Landfill Appl Voa/RCRA Metals
Lab #:	C603834-02	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	46	50.0	92 %	70-130
Dibromofluoromethane	1868-53-7	59	50.0	119 %	73-138
Toluene-d8	2037-26-5	58	50.0	116 %	77-118

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ANALYTICAL REPORT

Sample ID: I-2
Lab #: C603834-02

Project: White Street Landfill Appl Voa/RCRA Metals
Work Order #: C603834
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Barium	7440-39-3	**514**	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23016
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23016
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Mercury	7439-97-6	0.5 U	0.20	0.5	ug/L	EPA 7470A	EPA 7470A	6J23025
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23016
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016

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ANALYTICAL REPORT

Sample ID:	I-3	Project:	White Street Landfill Appl Voa/RCRA Metals
Lab #:	C603834-03	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	**13**	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	I-3	Project:	White Street Landfill Appl Voa/RCRA Metals
Lab #:	C603834-03	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	48	50.0	96 %	70-130
Dibromofluoromethane	1868-53-7	61	50.0	123 %	73-138
Toluene-d8	2037-26-5	58	50.0	116 %	77-118

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ANALYTICAL REPORT

Sample ID:	I-3	Project:	White Street Landfill Appl Voa/RCRA Metals
Lab #:	C603834-03	Work Order #:	C603834
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23016
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23016
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Mercury	7439-97-6	0.5 U	0.20	0.5	ug/L	EPA 7470A	EPA 7470A	6J23025
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23016
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016

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ANALYTICAL REPORT

Sample ID:	I-4	Project:	White Street Landfill AppI Voa/RCRA Metals
Lab #:	C603834-04	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5.0	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	**12**	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	I-4	Project:	White Street Landfill Appl Voa/RCRA Metals
Lab #:	C603834-04	Work Order #:	C603834
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50	50.0	100 %	70-130
Dibromofluoromethane	1868-53-7	60	50.0	121 %	73-138
Toluene-d8	2037-26-5	57	50.0	115 %	77-118

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ANALYTICAL REPORT

Sample ID:	I-4	Project:	White Street Landfill AppI Voa/RCRA Metals
Lab #:	C603834-04	Work Order #:	C603834
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Barium	7440-39-3	**930**	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23016
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23016
Chromium	7440-47-3	**66.0**	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Lead	7439-92-1	**11.7**	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016
Mercury	7439-97-6	0.5 U	0.20	0.5	ug/L	EPA 7470A	EPA 7470A	6J23025
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23016
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23016

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J26003 - EPA 5030B_MS

Blank (6J26003-BLK1) Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 11:20

Acetone	5.0 U	5.0	ug/L
Acrylonitrile	5.0 U	5.0	ug/L
Benzene	1.0 U	1.0	ug/L
2-Butanone	5.0 U	5.0	ug/L
2-Hexanone	5.0 U	5.0	ug/L
Iodomethane	2.0 U	2.0	ug/L
Tetrachloroethene	1.0 U	1.0	ug/L
4-Methyl-2-pentanone	5.0 U	5.0	ug/L
Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	0.40 U	0.40	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	5.0 U	5.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Ethylbenzene	1.0 U	1.0	ug/L
Methylene chloride	2.0 U	2.0	ug/L
Styrene	1.0 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L
Toluene	1.0 U	1.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J26003 - EPA 5030B_MS										
Blank (6J26003-BLK1) Continued				Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 11:20						
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*58*		*ug/L*	*50.0*		*116*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*46*		*ug/L*	*50.0*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*63*		*ug/L*	*50.0*		*125*	*73-138*			
LCS (6J26003-BS1)				Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 20:10						
Benzene	18	1.0	ug/L	20.0		91	69-115			
Trichloroethene	18	1.0	ug/L	20.0		90	74-118			
Chlorobenzene	20	1.0	ug/L	20.0		100	76-118			
1,1-Dichloroethene	24	1.0	ug/L	20.0		120	64-139			
Toluene	19	1.0	ug/L	20.0		93	77-117			
Matrix Spike (6J26003-MS1)		**Source: C603999-07**		Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 20:36						
Benzene	22	1.0	ug/L	20.0	1.0 U	111	53-150			
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	101	64-124			
Chlorobenzene	23	1.0	ug/L	20.0	1.0 U	114	44-128			
1,1-Dichloroethene	26	1.0	ug/L	20.0	1.0 U	128	36-177			
Toluene	21	1.0	ug/L	20.0	1.0 U	106	40-161			
Matrix Spike Dup (6J26003-MSD1)		**Source: C603999-07**		Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 21:02						
Benzene	21	1.0	ug/L	20.0	1.0 U	104	53-150	6	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	99	64-124	2	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	109	44-128	5	22	
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	124	36-177	3	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	95	40-161	11	23	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23016 - EPA 3005A										
Blank (6J23016-BLK1)				Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:02						
Arsenic	10.0 U	10.0	ug/L							
Barium	10.0 U	10.0	ug/L							
Cadmium	1.00 U	1.00	ug/L							
Chromium	10.0 U	10.0	ug/L							
Lead	10.0 U	10.0	ug/L							
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23016 - EPA 3005A										
LCS (6J23016-BS1)				Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:09						
Arsenic	1100	10.0	ug/L	1000		110	82-117			
Barium	1010	10.0	ug/L	1000		101	72-125			
Cadmium	546	1.00	ug/L	500		109	72-120			
Chromium	1060	10.0	ug/L	1000		106	78-119			
Lead	1120	10.0	ug/L	1000		112	72-121			
Selenium	1150	10.0	ug/L	1000		115	82-127			
Silver	101	10.0	ug/L	100		101	80-128			
Matrix Spike (6J23016-MS1)		**Source: C603832-01**		Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:27						
Arsenic	1150	10.0	ug/L	1000	10.0 U	115	64-126			
Barium	1120	10.0	ug/L	1000	89.8	104	74-119			
Cadmium	540	1.00	ug/L	500	1.00 U	108	68-121			
Chromium	1030	10.0	ug/L	1000	10.0 U	103	73-120			
Lead	1120	10.0	ug/L	1000	10.0 U	112	68-126			
Selenium	1200	10.0	ug/L	1000	10.0 U	120	65-129			
Silver	109	10.0	ug/L	100	10.0 U	109	69-121			
Matrix Spike Dup (6J23016-MSD1)		**Source: C603832-01**		Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:34						
Arsenic	1120	10.0	ug/L	1000	10.0 U	112	64-126	3	12	
Barium	1100	10.0	ug/L	1000	89.8	101	74-119	2	11	
Cadmium	525	1.00	ug/L	500	1.00 U	105	68-121	3	12	
Chromium	1000	10.0	ug/L	1000	10.0 U	100	73-120	3	10	
Lead	1100	10.0	ug/L	1000	10.0 U	110	68-126	2	19	
Selenium	1170	10.0	ug/L	1000	10.0 U	117	65-129	2	10	
Silver	105	10.0	ug/L	100	10.0 U	105	69-121	4	12	
Batch 6J23025 - EPA 7470A										
Blank (6J23025-BLK1)				Prepared: 10/23/2006 16:10 Analyzed: 10/26/2006 15:00						
Mercury	0.20 U	0.20	ug/L							
LCS (6J23025-BS1)				Prepared: 10/23/2006 16:10 Analyzed: 10/26/2006 15:02						
Mercury	4.66	0.20	ug/L	5.00		93	87-123			
Matrix Spike (6J23025-MS1)		**Source: C603802-01**		Prepared: 10/23/2006 16:10 Analyzed: 10/26/2006 15:06						
Mercury	4.94	0.20	ug/L	5.00	0.20 U	99	63-132			
Matrix Spike Dup (6J23025-MSD1)		**Source: C603802-01**		Prepared: 10/23/2006 16:10 Analyzed: 10/26/2006 15:08						
Mercury	4.92	0.20	ug/L	5.00	0.20 U	98	63-132	0.4	10	
Post Spike (6J23025-PS1)		**Source: C603802-01**		Prepared: 10/23/2006 16:10 Analyzed: 10/26/2006 15:20						
Mercury	5.53	0.20	ug/L	5.00	-0.0130	111	85-115			

NOTES AND DEFINITIONS

U Analyte included in the analysis, but not detected

Laboratory Certification Summary

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,1-Dichloropropene	563-58-6	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2,4-Trichlorobenzene	120-82-1	10 U	1.0	10	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,3-Dichlorobenzene	541-73-1	10 U	1.0	10	ug/L
1,3-Dichloropropane	142-28-9	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2,2-Dichloropropane	594-20-7	15 U	1.0	15	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
3-Chloropropene	107-05-1	10 U	1.0	10	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acetonitrile	75-05-8	100 U	10	100	ug/L
Acrolein	107-02-8	100 U	10	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
Chloroprene	126-99-8	20 U	1.0	20	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Dichlorodifluoromethane	75-71-8	5 U	1.0	5	ug/L
Ethyl Methacrylate	97-63-2	10 U	2.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
Isobutyl alcohol	78-83-1	100 U	20	100	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methacrylonitrile	126-98-7	100 U	10	100	ug/L
Methyl Methacrylate	80-62-6	30 U	1.0	30	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
Naphthalene	91-20-3	5 U	1.0	5	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Propionitrile	107-12-0	150 U	10	150	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	40	50.0	80 %	70-130
Dibromofluoromethane	1868-53-7	53	50.0	105 %	73-138
Toluene-d8	2037-26-5	54	50.0	108 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26002		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,2,4,5-Tetrachlorobenzene	95-94-3	10 U	10	10	ug/L
1,3,5-Trinitrobenzene	99-35-4	10 U	10	10	ug/L
1,3-Dinitrobenzene	99-65-0	20 U	10	20	ug/L
1,4-Naphthoquinone	130-15-4	10 U	10	10	ug/L
1,4-Phenylenediamine	106-50-3	10 U	10	10	ug/L
1-Naphthylamine	134-32-7	10 U	10	10	ug/L
2,3,4,6-Tetrachlorophenol	58-90-2	10 U	10	10	ug/L
2,4,5-Trichlorophenol	95-95-4	10 U	10	10	ug/L
2,4,6-Trichlorophenol	88-06-2	10 U	10	10	ug/L
2,4-Dichlorophenol	120-83-2	10 U	10	10	ug/L
2,4-Dimethylphenol	105-67-9	10 U	10	10	ug/L
2,4-Dinitrophenol	51-28-5	50 U	10	50	ug/L
2,4-Dinitrotoluene	121-14-2	10 U	10	10	ug/L
2,6-Dichlorophenol	87-65-0	10 U	10	10	ug/L
2,6-Dinitrotoluene	606-20-2	10 U	10	10	ug/L
2-Acetylaminofluorene	53-96-3	20 U	10	20	ug/L
2-Chloronaphthalene	91-58-7	10 U	10	10	ug/L
2-Chlorophenol	95-57-8	10 U	10	10	ug/L
2-Methyl-4,6-dinitrophenol	534-52-1	50 U	10	50	ug/L
2-Methylnaphthalene	91-57-6	10 U	10	10	ug/L
2-Methylphenol	95-48-7	10 U	10	10	ug/L
2-Naphthylamine	91-59-8	10 U	10	10	ug/L
2-Nitroaniline	88-74-4	50 U	10	50	ug/L
2-Nitrophenol	88-75-5	10 U	10	10	ug/L
3 & 4-Methylphenol		20 U	20	20	ug/L
3,3'-Dichlorobenzidine	91-94-1	20 U	10	20	ug/L
3,3'-Dimethylbenzidine	119-93-7	20 U	10	20	ug/L
3-Methylcholanthrene	56-49-5	10 U	10	10	ug/L
3-Nitroaniline	99-09-2	50 U	10	50	ug/L
4-Aminobiphenyl	92-67-1	20 U	10	20	ug/L
4-Bromophenyl-phenylether	101-55-3	10 U	10	10	ug/L
4-Chloro-3-methylphenol	59-50-7	20 U	10	20	ug/L
4-Chloroaniline	106-47-8	20 U	10	20	ug/L
4-Chlorophenyl-phenylether	7005-72-3	10 U	10	10	ug/L
4-Nitroaniline	100-01-6	20 U	10	20	ug/L
4-Nitrophenol	100-02-7	50 U	10	50	ug/L
5-Nitro-o-toluidine	99-55-8	10 U	10	10	ug/L
7,12-Dimethylbenz(a)anthracene	57-97-6	10 U	10	10	ug/L
Acenaphthene	83-32-9	10 U	10	10	ug/L
Acenaphthylene	208-96-8	10 U	10	10	ug/L

ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26002		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Acetophenone	98-86-2	10 U	10	10	ug/L
Anthracene	120-12-7	10 U	10	10	ug/L
Benzo(a)anthracene	56-55-3	10 U	10	10	ug/L
Benzo(a)pyrene	50-32-8	10 U	10	10	ug/L
Benzo(b)fluoranthene	205-99-2	10 U	10	10	ug/L
Benzo(g,h,i)perylene	191-24-2	10 U	10	10	ug/L
Benzo(k)fluoranthene	207-08-9	10 U	10	10	ug/L
Benzyl alcohol	100-51-6	20 U	10	20	ug/L
Bis(2-chloroethoxy)methane	111-91-1	10 U	10	10	ug/L
Bis(2-chloroethyl)ether	111-44-4	10 U	10	10	ug/L
Bis(2-chloroisopropyl)ether	108-60-1	10 U	10	10	ug/L
Bis(2-ethylhexyl)phthalate	117-81-7	**29**	10	20	ug/L
Butylbenzylphthalate	85-68-7	10 U	10	10	ug/L
Chlorobenzilate	510-15-6	10 U	10	10	ug/L
Chrysene	218-01-9	10 U	10	10	ug/L
Diallate	2303-16-4	10 U	10	10	ug/L
Dibenzo(a,h)anthracene	53-70-3	10 U	10	10	ug/L
Dibenzofuran	132-64-9	10 U	10	10	ug/L
Diethylphthalate	84-66-2	10 U	10	10	ug/L
Dimethoate	60-51-5	20 U	10	20	ug/L
Dimethylphthalate	131-11-3	10 U	10	10	ug/L
Di-n-butylphthalate	84-74-2	10 U	10	10	ug/L
Di-n-octylphthalate	117-84-0	10 U	10	10	ug/L
Diphenylamine	122-39-4	10 U	10	10	ug/L
Disulfoton	298-04-4	10 U	10	10	ug/L
Ethyl methanesulfonate	62-50-0	20 U	10	20	ug/L
Famphur	52-85-7	20 U	10	20	ug/L
Fluoranthene	206-44-0	10 U	10	10	ug/L
Fluorene	86-73-7	10 U	10	10	ug/L
Hexachlorobenzene	118-74-1	10 U	10	10	ug/L
Hexachlorobutadiene	87-68-3	10 U	10	10	ug/L
Hexachlorocyclopentadiene	77-47-4	10 U	10	10	ug/L
Hexachloroethane	67-72-1	10 U	10	10	ug/L
Hexachloropropene	1888-71-7	10 U	10	10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	10 U	10	10	ug/L
Isodrin	465-73-6	20 U	10	20	ug/L
Isophorone	78-59-1	10 U	10	10	ug/L
Isosafrole	120-58-1	10 U	10	10	ug/L
Kepone	143-50-0	20 U	20	20	ug/L
Methapyrilene	91-80-5	100 U	10	100	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: DFM	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26002		

Semivolatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Methyl Methanesulfonate	66-27-3	10 U	10	10	ug/L
Methyl parathion	298-00-0	10 U	10	10	ug/L
Nitrobenzene	98-95-3	10 U	10	10	ug/L
N-Nitrosodiethylamine	55-18-5	20 U	10	20	ug/L
N-Nitrosodimethylamine	62-75-9	10 U	10	10	ug/L
N-Nitrosodi-n-butylamine	924-16-3	10 U	10	10	ug/L
N-Nitroso-di-n-propylamine	621-64-7	10 U	10	10	ug/L
N-Nitrosodiphenylamine	86-30-6	10 U	10	10	ug/L
N-Nitrosomethylethylamine	10595-95-6	10 U	10	10	ug/L
N-Nitrosopiperidine	100-75-4	20 U	10	20	ug/L
N-Nitrosopyrrolidine	930-55-2	40 U	10	40	ug/L
O,O,O-Triethyl phosphorothioate	126-68-1	10 U	10	10	ug/L
o-Toluidine	95-53-4	10 U	10	10	ug/L
Parathion	56-38-2	10 U	10	10	ug/L
p-Dimethylaminoazobenzene	60-11-7	10 U	10	10	ug/L
Pentachlorobenzene	608-93-5	10 U	10	10	ug/L
Pentachloronitrobenzene	82-68-8	20 U	10	20	ug/L
Phenacetin	62-44-2	20 U	10	20	ug/L
Phenanthrene	85-01-8	10 U	10	10	ug/L
Phenol	108-95-2	10 U	10	10	ug/L
Phorate	298-02-2	10 U	10	10	ug/L
Pronamide	23950-58-5	10 U	10	10	ug/L
Pyrene	129-00-0	10 U	10	10	ug/L
Safrole	94-59-7	10 U	10	10	ug/L
Thionazin	297-97-2	20 U	10	20	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,6-Tribromophenol	118-79-6	66	100	66 %	55-159
2-Fluorobiphenyl	321-60-8	31	50.0	63 %	44-131
2-Fluorophenol	367-12-4	33	100	33 %	30-114
Nitrobenzene-d5	NA	31	50.0	62 %	39-131
Phenol-d5	NA	29	100	29 %	12-122
Terphenyl-d14	NA	43	50.0	87 %	47-160

ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	10/26/06 By: lab	Unit:	ug/L
Anal. Method:	EPA 8081A	Dilution Factor:	1
Anal. Batch:	CA00090		
QC Batch:	6J25004		

Organochlorine Pesticides by GC

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
4,4'-DDD	72-54-8	0.1 U	0.050	0.1	ug/L
4,4'-DDE	72-55-9	0.1 U	0.050	0.1	ug/L
4,4'-DDT	50-29-3	0.1 U	0.050	0.1	ug/L
Aldrin	309-00-2	0.05 U	0.050	0.05	ug/L
alpha-BHC	319-84-6	0.05 U	0.050	0.05	ug/L
beta-BHC	319-85-7	0.05 U	0.050	0.05	ug/L
Chlordane-gamma	NA	0.1 U	0.050	0.1	ug/L
delta-BHC	319-86-8	0.05 U	0.050	0.05	ug/L
Dieldrin	60-57-1	0.1 U	0.050	0.1	ug/L
Endosulfan I	959-98-8	0.1 U	0.050	0.1	ug/L
Endosulfan II	33213-65-9	0.1 U	0.050	0.1	ug/L
Endosulfan sulfate	1031-07-8	0.1 U	0.050	0.1	ug/L
Endrin	72-20-8	0.1 U	0.050	0.1	ug/L
Endrin aldehyde	7421-93-4	0.1 U	0.050	0.1	ug/L
gamma-BHC	58-89-9	0.05 U	0.050	0.05	ug/L
Heptachlor	76-44-8	0.05 U	0.050	0.05	ug/L
Heptachlor epoxide	1024-57-3	0.1 U	0.050	0.1	ug/L
Methoxychlor	72-43-5	1 U	0.050	1	ug/L
Toxaphene	8001-35-2	2 U	1.0	2	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,5,6-TCMX	877-09-8	0.69	1.00	69 %	27-125
DBC	NA	0.84	1.00	84 %	46-130

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	10/26/06 By: lab	Unit:	ug/L
Anal. Method:	EPA 8082	Dilution Factor:	1
Anal. Batch:	CA00090		
QC Batch:	6J25004		

Polychlorinated Biphenyls by GC

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
PCB-1016/1242	12674-11-2/53469-21-9	1 U	1.0	1	ug/L
PCB-1221	11104-28-2	1 U	1.0	1	ug/L
PCB-1232	11141-16-5	1 U	1.0	1	ug/L
PCB-1248	12672-29-6	1 U	1.0	1	ug/L
PCB-1254	11097-69-1	1 U	1.0	1	ug/L
PCB-1260	11096-82-5	1 U	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4,5,6-TCMX	877-09-8	0.69	1.00	69 %	27-125
DBC	NA	0.84	1.00	84 %	46-130

ANALYTICAL REPORT

Sample ID: MW-13
Lab #: C603832-18

Project: White Street Landfill App IIs
Work Order #: C603832
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J24011
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J24011
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J24011
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J24011
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J24011
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J24011
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J24011
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J24011
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J24011
Mercury	7439-97-6	0.5 U	0.20	0.5	ug/L	EPA 7470A	EPA 7470A	6J23021
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J24011
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J24011
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J24011
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J24011
Tin	7440-31-5	100 U	10.0	100	ug/L	EPA 6010B	EPA 3005A	6J24011
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J24011
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J24011

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Sulfide	18496-25-8	1 U	1.0	1	mg/L	EPA 376.1	NO PREP	6J27001

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
Prep. Method:	EPA 3510C	Matrix:	Ground Water
Analyzed:	10/27/06 By: RC	Unit:	ug/L
Anal. Method:	EPA 8151A	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J24003		

Chlorinated Herbicides by GC

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
2,4,5-T	93-76-5	2 U	0.30	2	ug/L
2,4,5-TP (Silvex)	93-72-1	2 U	0.30	2	ug/L
2,4-D	94-75-7	2 U	0.30	2	ug/L
Dinoseb	88-85-7	1 U	0.30	1	ug/L
Pentachlorophenol	87-86-5	50 U	0.30	50	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
2,4-DCAA	94-75-7	3.1	2.00	155 %	9-172

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ANALYTICAL REPORT

Sample ID:	MW-13	Project:	White Street Landfill App IIs
Lab #:	C603832-18	Work Order #:	C603832
		Matrix:	Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Cyanide (total)	57-12-5	0.05 U	0.010	0.05	mg/L	EPA 9014	NO PREP	6J26002

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J30009 - EPA 5030B_MS

Blank (6J30009-BLK1) Prepared: 10/30/2006 08:08 Analyzed: 10/30/2006 23:31

Acetone	5.0 U	5.0	ug/L
Acrolein	10 U	10	ug/L
Acrylonitrile	5.0 U	5.0	ug/L
Benzene	1.0 U	1.0	ug/L
2-Butanone	5.0 U	5.0	ug/L
2-Hexanone	5.0 U	5.0	ug/L
Propionitrile	10 U	10	ug/L
Iodomethane	2.0 U	2.0	ug/L
Acetonitrile	10 U	10	ug/L
3-Chloropropene	1.0 U	1.0	ug/L
Isobutyl alcohol	20 U	20	ug/L
Tetrachloroethene	1.0 U	1.0	ug/L
4-Methyl-2-pentanone	5.0 U	5.0	ug/L
Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	0.40 U	0.40	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	5.0 U	5.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Chloroprene	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,3-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
Dichlorodifluoromethane	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J30009 - EPA 5030B_MS										
Blank (6J30009-BLK1) Continued				Prepared: 10/30/2006 08:08 Analyzed: 10/30/2006 23:31						
1,3-Dichloropropane	1.0 U	1.0	ug/L							
2,2-Dichloropropane	1.0 U	1.0	ug/L							
1,1-Dichloropropene	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Ethyl Methacrylate	2.0 U	2.0	ug/L							
Methacrylonitrile	10 U	10	ug/L							
Methyl Methacrylate	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Naphthalene	1.0 U	1.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,2,4-Trichlorobenzene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
LCS (6J30009-BS1)				Prepared: 10/30/2006 08:08 Analyzed: 10/31/2006 06:18						
Benzene	22	1.0	ug/L	20.0		111	69-115			
Trichloroethene	19	1.0	ug/L	20.0		94	74-118			
Chlorobenzene	22	1.0	ug/L	20.0		109	76-118			
1,1-Dichloroethene	24	1.0	ug/L	20.0		122	64-139			
Toluene	20	1.0	ug/L	20.0		98	77-117			
Matrix Spike (6J30009-MS1)		**Source: C604091-01**		Prepared: 10/30/2006 08:08 Analyzed: 10/31/2006 06:43						
Benzene	22	1.0	ug/L	20.0	1.0 U	109	53-150			
Trichloroethene	18	1.0	ug/L	20.0	1.0 U	92	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	108	44-128			
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	123	36-177			
Toluene	21	1.0	ug/L	20.0	1.0 U	106	40-161			
Matrix Spike Dup (6J30009-MSD1)		**Source: C604091-01**		Prepared: 10/30/2006 08:08 Analyzed: 10/31/2006 07:09						
Benzene	22	1.0	ug/L	20.0	1.0 U	109	53-150	0.3	23	
Trichloroethene	18	1.0	ug/L	20.0	1.0 U	90	64-124	2	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	109	44-128	0.4	22	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J30009 - EPA 5030B_MS										
Matrix Spike Dup (6J30009-MSD1) Continued		**Source: C604091-01**		Prepared: 10/30/2006 08:08 Analyzed: 10/31/2006 07:09						
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.0 U	115	36-177	6	30	
Toluene	20	1.0	ug/L	20.0	1.0 U	100	40-161	5	23	
Batch 6K01001 - EPA 5030B_MS										
Blank (6K01001-BLK1)				Prepared: 11/01/2006 05:20 Analyzed: 11/01/2006 07:15						
Acetone	5.0 U	5.0	ug/L							
Acrolein	10 U	10	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Propionitrile	10 U	10	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Acetonitrile	10 U	10	ug/L							
3-Chloropropene	1.0 U	1.0	ug/L							
Isobutyl alcohol	20 U	20	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	0.40 U	0.40	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	5.0 U	5.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Chloroprene	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,3-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
Dichlorodifluoromethane	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6K01001 - EPA 5030B_MS										
Blank (6K01001-BLK1) Continued				Prepared: 11/01/2006 05:20 Analyzed: 11/01/2006 07:15						
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
1,3-Dichloropropane	1.0 U	1.0	ug/L							
2,2-Dichloropropane	1.0 U	1.0	ug/L							
1,1-Dichloropropene	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Ethyl Methacrylate	2.0 U	2.0	ug/L							
Methacrylonitrile	10 U	10	ug/L							
Methyl Methacrylate	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Naphthalene	1.0 U	1.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,2,4-Trichlorobenzene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
LCS (6K01001-BS1)				Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:00						
Benzene	23	1.0	ug/L	20.0		115	69-115			
Trichloroethene	22	1.0	ug/L	20.0		111	74-118			
Chlorobenzene	18	1.0	ug/L	20.0		92	76-118			
1,1-Dichloroethene	26	1.0	ug/L	20.0		128	64-139			
Toluene	19	1.0	ug/L	20.0		94	77-117			
Matrix Spike (6K01001-MS1)		**Source: C604091-02**		Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:25						
Benzene	21	1.0	ug/L	20.0	1.0 U	104	53-150			
Trichloroethene	19	1.0	ug/L	20.0	1.0 U	96	64-124			
Chlorobenzene	18	1.0	ug/L	20.0	1.0 U	89	44-128			
1,1-Dichloroethene	26	1.0	ug/L	20.0	1.0 U	128	36-177			
Toluene	20	1.0	ug/L	20.0	1.0 U	98	40-161			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6K01001 - EPA 5030B_MS

Matrix Spike Dup (6K01001-MSD1)		**Source: C604091-02**		Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:51						
Benzene	21	1.0	ug/L	20.0	1.0 U	106	53-150	1	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	98	64-124	1	25	
Chlorobenzene	18	1.0	ug/L	20.0	1.0 U	92	44-128	3	22	
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	126	36-177	1	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161	4	23	

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6J26002 - EPA 3510C_MS

Blank (6J26002-BLK1)				Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 19:14
1,2,4,5-Tetrachlorobenzene	10 U	10	ug/L	
1,3-Dinitrobenzene	10 U	10	ug/L	
1,3,5-Trinitrobenzene	10 U	10	ug/L	
1,4-Naphthoquinone	10 U	10	ug/L	
1,4-Phenylenediamine	10 U	10	ug/L	
1-Naphthylamine	10 U	10	ug/L	
2,3,4,6-Tetrachlorophenol	10 U	10	ug/L	
2,4,5-Trichlorophenol	10 U	10	ug/L	
2,4,6-Trichlorophenol	10 U	10	ug/L	
2,4-Dichlorophenol	10 U	10	ug/L	
2,4-Dimethylphenol	10 U	10	ug/L	
2,4-Dinitrophenol	10 U	10	ug/L	
2,4-Dinitrotoluene	10 U	10	ug/L	
2,6-Dichlorophenol	10 U	10	ug/L	
2,6-Dinitrotoluene	10 U	10	ug/L	
2-Acetylaminofluorene	10 U	10	ug/L	
2-Chloronaphthalene	10 U	10	ug/L	
2-Chlorophenol	10 U	10	ug/L	
2-Methylnaphthalene	10 U	10	ug/L	
2-Methylphenol	10 U	10	ug/L	
2-Naphthylamine	10 U	10	ug/L	
2-Nitroaniline	10 U	10	ug/L	
2-Nitrophenol	10 U	10	ug/L	
3,3'-Dimethylbenzidine	10 U	10	ug/L	
3,3'-Dichlorobenzidine	10 U	10	ug/L	
3 & 4-Methylphenol	20 U	20	ug/L	
3-Methylcholanthrene	10 U	10	ug/L	
3-Nitroaniline	10 U	10	ug/L	
2-Methyl-4,6-dinitrophenol	10 U	10	ug/L	
4-Aminobiphenyl	10 U	10	ug/L	
4-Bromophenyl-phenylether	10 U	10	ug/L	
4-Chloro-3-methylphenol	10 U	10	ug/L	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6J26002 - EPA 3510C_MS

Blank (6J26002-BLK1) Continued Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 19:14

4-Chloroaniline	10 U	10	ug/L
4-Chlorophenyl-phenylether	10 U	10	ug/L
4-Nitroaniline	10 U	10	ug/L
4-Nitrophenol	10 U	10	ug/L
5-Nitro-o-toluidine	10 U	10	ug/L
7,12-Dimethylbenz(a)anthracene	10 U	10	ug/L
Acenaphthene	10 U	10	ug/L
Acenaphthylene	10 U	10	ug/L
Acetophenone	10 U	10	ug/L
Anthracene	10 U	10	ug/L
Benzo(a)anthracene	10 U	10	ug/L
Benzo(a)pyrene	10 U	10	ug/L
Benzo(b)fluoranthene	10 U	10	ug/L
Benzo(g,h,i)perylene	10 U	10	ug/L
Benzo(k)fluoranthene	10 U	10	ug/L
Benzyl alcohol	10 U	10	ug/L
Bis(2-chloroethoxy)methane	10 U	10	ug/L
Bis(2-chloroethyl)ether	10 U	10	ug/L
Bis(2-chloroisopropyl)ether	10 U	10	ug/L
Bis(2-ethylhexyl)phthalate	10 U	10	ug/L
Butylbenzylphthalate	10 U	10	ug/L
Chlorobenzilate	10 U	10	ug/L
Chrysene	10 U	10	ug/L
Diallate	10 U	10	ug/L
Dibenzo(a,h)anthracene	10 U	10	ug/L
Dibenzofuran	10 U	10	ug/L
Diethylphthalate	10 U	10	ug/L
Dimethoate	10 U	10	ug/L
Dimethylphthalate	10 U	10	ug/L
Di-n-butylphthalate	10 U	10	ug/L
Di-n-octylphthalate	10 U	10	ug/L
Diphenylamine	10 U	10	ug/L
Disulfoton	10 U	10	ug/L
Ethyl methanesulfonate	10 U	10	ug/L
Famphur	10 U	10	ug/L
Fluoranthene	10 U	10	ug/L
Fluorene	10 U	10	ug/L
Hexachlorobenzene	10 U	10	ug/L
Hexachlorobutadiene	10 U	10	ug/L
Hexachlorocyclopentadiene	10 U	10	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organic Compounds by GCMS - Quality Control										
Batch 6J26002 - EPA 3510C_MS										
Blank (6J26002-BLK1) Continued				Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 19:14						
Hexachloroethane	10 U	10	ug/L							
Hexachloropropene	10 U	10	ug/L							
Indeno(1,2,3-cd)pyrene	10 U	10	ug/L							
Isodrin	10 U	10	ug/L							
Isophorone	10 U	10	ug/L							
Isosafrole	10 U	10	ug/L							
Kepone	20 U	20	ug/L							
Methapyrilene	10 U	10	ug/L							
Methyl Methanesulfonate	10 U	10	ug/L							
Methyl parathion	10 U	10	ug/L							
Nitrobenzene	10 U	10	ug/L							
N-Nitrosodiethylamine	10 U	10	ug/L							
N-Nitrosodimethylamine	10 U	10	ug/L							
N-Nitrosodi-n-butylamine	10 U	10	ug/L							
N-Nitroso-di-n-propylamine	10 U	10	ug/L							
N-Nitrosodiphenylamine	10 U	10	ug/L							
N-Nitrosomethylethylamine	10 U	10	ug/L							
N-Nitrosopiperidine	10 U	10	ug/L							
N-Nitrosopyrrolidine	10 U	10	ug/L							
O,O,O-Triethyl phosphorothioate	10 U	10	ug/L							
o-Toluidine	10 U	10	ug/L							
Parathion	10 U	10	ug/L							
p-Dimethylaminoazobenzene	10 U	10	ug/L							
Pentachlorobenzene	10 U	10	ug/L							
Pentachloronitrobenzene	10 U	10	ug/L							
Phenacetin	10 U	10	ug/L							
Phenanthrene	10 U	10	ug/L							
Phenol	10 U	10	ug/L							
Phorate	10 U	10	ug/L							
Pronamide	10 U	10	ug/L							
Pyrene	10 U	10	ug/L							
Safrole	10 U	10	ug/L							
Thionazin	10 U	10	ug/L							
Blank (6J26002-BLK2)				Prepared: 10/27/2006 08:05 Analyzed: 10/28/2006 01:38						
1,2,4,5-Tetrachlorobenzene	10 U	10	ug/L							
1,3-Dinitrobenzene	10 U	10	ug/L							
1,3,5-Trinitrobenzene	10 U	10	ug/L							
1,4-Naphthoquinone	10 U	10	ug/L							
1,4-Phenylenediamine	10 U	10	ug/L							
1-Naphthylamine	10 U	10	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6J26002 - EPA 3510C_MS

Blank (6J26002-BLK2) Continued Prepared: 10/27/2006 08:05 Analyzed: 10/28/2006 01:38

2,3,4,6-Tetrachlorophenol	10 U	10	ug/L
2,4,5-Trichlorophenol	10 U	10	ug/L
2,4,6-Trichlorophenol	10 U	10	ug/L
2,4-Dichlorophenol	10 U	10	ug/L
2,4-Dimethylphenol	10 U	10	ug/L
2,4-Dinitrophenol	10 U	10	ug/L
2,4-Dinitrotoluene	10 U	10	ug/L
2,6-Dichlorophenol	10 U	10	ug/L
2,6-Dinitrotoluene	10 U	10	ug/L
2-Acetylaminofluorene	10 U	10	ug/L
2-Chloronaphthalene	10 U	10	ug/L
2-Chlorophenol	10 U	10	ug/L
2-Methylnaphthalene	10 U	10	ug/L
2-Methylphenol	10 U	10	ug/L
2-Naphthylamine	10 U	10	ug/L
2-Nitroaniline	10 U	10	ug/L
2-Nitrophenol	10 U	10	ug/L
3,3'-Dimethylbenzidine	10 U	10	ug/L
3,3'-Dichlorobenzidine	10 U	10	ug/L
3 & 4-Methylphenol	20 U	20	ug/L
3-Methylcholanthrene	10 U	10	ug/L
3-Nitroaniline	10 U	10	ug/L
2-Methyl-4,6-dinitrophenol	10 U	10	ug/L
4-Aminobiphenyl	10 U	10	ug/L
4-Bromophenyl-phenylether	10 U	10	ug/L
4-Chloro-3-methylphenol	10 U	10	ug/L
4-Chloroaniline	10 U	10	ug/L
4-Chlorophenyl-phenylether	10 U	10	ug/L
4-Nitroaniline	10 U	10	ug/L
4-Nitrophenol	10 U	10	ug/L
5-Nitro-o-toluidine	10 U	10	ug/L
7,12-Dimethylbenz(a)anthracene	10 U	10	ug/L
Acenaphthene	10 U	10	ug/L
Acenaphthylene	10 U	10	ug/L
Acetophenone	10 U	10	ug/L
Anthracene	10 U	10	ug/L
Benzo(a)anthracene	10 U	10	ug/L
Benzo(a)pyrene	10 U	10	ug/L
Benzo(b)fluoranthene	10 U	10	ug/L
Benzo(g,h,i)perylene	10 U	10	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 6J26002 - EPA 3510C_MS

Blank (6J26002-BLK2) Continued Prepared: 10/27/2006 08:05 Analyzed: 10/28/2006 01:38

Benzo(k)fluoranthene	10 U	10	ug/L
Benzyl alcohol	10 U	10	ug/L
Bis(2-chloroethoxy)methane	10 U	10	ug/L
Bis(2-chloroethyl)ether	10 U	10	ug/L
Bis(2-chloroisopropyl)ether	10 U	10	ug/L
Bis(2-ethylhexyl)phthalate	10 U	10	ug/L
Butylbenzylphthalate	10 U	10	ug/L
Chlorobenzilate	10 U	10	ug/L
Chrysene	10 U	10	ug/L
Diallate	10 U	10	ug/L
Dibenzo(a,h)anthracene	10 U	10	ug/L
Dibenzofuran	10 U	10	ug/L
Diethylphthalate	10 U	10	ug/L
Dimethoate	10 U	10	ug/L
Dimethylphthalate	10 U	10	ug/L
Di-n-butylphthalate	10 U	10	ug/L
Di-n-octylphthalate	10 U	10	ug/L
Diphenylamine	10 U	10	ug/L
Disulfoton	10 U	10	ug/L
Ethyl methanesulfonate	10 U	10	ug/L
Famphur	10 U	10	ug/L
Fluoranthene	10 U	10	ug/L
Fluorene	10 U	10	ug/L
Hexachlorobenzene	10 U	10	ug/L
Hexachlorobutadiene	10 U	10	ug/L
Hexachlorocyclopentadiene	10 U	10	ug/L
Hexachloroethane	10 U	10	ug/L
Hexachloropropene	10 U	10	ug/L
Indeno(1,2,3-cd)pyrene	10 U	10	ug/L
Isodrin	10 U	10	ug/L
Isophorone	10 U	10	ug/L
Isosafrole	10 U	10	ug/L
Kepone	20 U	20	ug/L
Methapyrilene	10 U	10	ug/L
Methyl Methanesulfonate	10 U	10	ug/L
Methyl parathion	10 U	10	ug/L
Nitrobenzene	10 U	10	ug/L
N-Nitrosodiethylamine	10 U	10	ug/L
N-Nitrosodimethylamine	10 U	10	ug/L
N-Nitrosodi-n-butylamine	10 U	10	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organic Compounds by GCMS - Quality Control										
Batch 6J26002 - EPA 3510C_MS										
Blank (6J26002-BLK2) Continued				Prepared: 10/27/2006 08:05 Analyzed: 10/28/2006 01:38						
N-Nitroso-di-n-propylamine	10 U	10	ug/L							
N-Nitrosodiphenylamine	10 U	10	ug/L							
N-Nitrosomethylethylamine	10 U	10	ug/L							
N-Nitrosopiperidine	10 U	10	ug/L							
N-Nitrosopyrrolidine	10 U	10	ug/L							
O,O,O-Triethyl phosphorothioate	10 U	10	ug/L							
o-Toluidine	10 U	10	ug/L							
Parathion	10 U	10	ug/L							
p-Dimethylaminoazobenzene	10 U	10	ug/L							
Pentachlorobenzene	10 U	10	ug/L							
Pentachloronitrobenzene	10 U	10	ug/L							
Phenacetin	10 U	10	ug/L							
Phenanthrene	10 U	10	ug/L							
Phenol	10 U	10	ug/L							
Phorate	10 U	10	ug/L							
Pronamide	10 U	10	ug/L							
Pyrene	10 U	10	ug/L							
Safrole	10 U	10	ug/L							
Thionazin	10 U	10	ug/L							
LCS (6J26002-BS1)				Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 19:46						
2,4-Dinitrotoluene	38	10	ug/L	50.0		75	23-128			
2-Chlorophenol	38	10	ug/L	50.0		76	14-102			
4-Chloro-3-methylphenol	42	10	ug/L	50.0		85	10-126			
4-Nitrophenol	40	10	ug/L	50.0		79	10-131			
Acenaphthene	36	10	ug/L	50.0		73	22-115			
N-Nitroso-di-n-propylamine	35	10	ug/L	50.0		70	19-122			
Phenol	34	10	ug/L	50.0		69	11-87			
Pyrene	43	10	ug/L	50.0		86	45-123			
LCS (6J26002-BS2)				Prepared: 10/27/2006 08:05 Analyzed: 10/28/2006 02:10						
2,4-Dinitrotoluene	41	10	ug/L	50.0		82	23-128			
2-Chlorophenol	37	10	ug/L	50.0		73	14-102			
4-Chloro-3-methylphenol	43	10	ug/L	50.0		86	10-126			
4-Nitrophenol	28	10	ug/L	50.0		55	10-131			
Acenaphthene	37	10	ug/L	50.0		75	22-115			
N-Nitroso-di-n-propylamine	34	10	ug/L	50.0		67	19-122			
Phenol	24	10	ug/L	50.0		47	11-87			
Pyrene	43	10	ug/L	50.0		86	45-123			
Matrix Spike (6J26002-MS1)		Source: C603832-01		Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 20:18						
2,4-Dinitrotoluene	38	10	ug/L	50.0	10 U	76	28-116			
2-Chlorophenol	39	10	ug/L	50.0	10 U	77	22-99			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Semivolatile Organic Compounds by GCMS - Quality Control										
Batch 6J26002 - EPA 3510C_MS										
Matrix Spike (6J26002-MS1) Continued		**Source: C603832-01**		Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 20:18						
4-Chloro-3-methylphenol	44	10	ug/L	50.0	10 U	88	37-109			
4-Nitrophenol	37	10	ug/L	50.0	10 U	73	10-140			
Acenaphthene	38	10	ug/L	50.0	10 U	76	23-119			
N-Nitroso-di-n-propylamine	33	10	ug/L	50.0	10 U	66	22-115			
Phenol	25	10	ug/L	50.0	10 U	51	10-92			
Pyrene	41	10	ug/L	50.0	10 U	82	43-123			
Matrix Spike Dup (6J26002-MSD1)		**Source: C603832-01**		Prepared: 10/26/2006 08:05 Analyzed: 10/27/2006 20:50						
2,4-Dinitrotoluene	41	10	ug/L	50.0	10 U	83	28-116	8	21	
2-Chlorophenol	37	10	ug/L	50.0	10 U	75	22-99	3	41	
4-Chloro-3-methylphenol	47	10	ug/L	50.0	10 U	93	37-109	6	22	
4-Nitrophenol	43	10	ug/L	50.0	10 U	85	10-140	15	52	
Acenaphthene	40	10	ug/L	50.0	10 U	80	23-119	5	28	
N-Nitroso-di-n-propylamine	32	10	ug/L	50.0	10 U	65	22-115	2	22	
Phenol	26	10	ug/L	50.0	10 U	52	10-92	2	44	
Pyrene	43	10	ug/L	50.0	10 U	86	43-123	5	32	
Organochlorine Pesticides by GC - Quality Control										
Batch 6J25004 - EPA 3510C										
Blank (6J25004-BLK1)				Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 15:20						
4,4'-DDD	0.050 U	0.050	ug/L							
4,4'-DDE	0.050 U	0.050	ug/L							
4,4'-DDT	0.050 U	0.050	ug/L							
Aldrin	0.050 U	0.050	ug/L							
alpha-BHC	0.050 U	0.050	ug/L							
beta-BHC	0.050 U	0.050	ug/L							
Chlordane-gamma	0.050 U	0.050	ug/L							
delta-BHC	0.050 U	0.050	ug/L							
Dieldrin	0.050 U	0.050	ug/L							
Endosulfan I	0.050 U	0.050	ug/L							
Endosulfan II	0.050 U	0.050	ug/L							
Endosulfan sulfate	0.050 U	0.050	ug/L							
Endrin	0.050 U	0.050	ug/L							
Endrin aldehyde	0.050 U	0.050	ug/L							
gamma-BHC	0.050 U	0.050	ug/L							
Heptachlor	0.050 U	0.050	ug/L							
Heptachlor epoxide	0.050 U	0.050	ug/L							
Methoxychlor	0.050 U	0.050	ug/L							
Toxaphene	1.0 U	1.0	ug/L							
LCS (6J25004-BS1)				Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 15:43						
4,4'-DDT	0.74	0.050	ug/L	1.00		74	43-162			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Organochlorine Pesticides by GC - Quality Control										
Batch 6J25004 - EPA 3510C										
LCS (6J25004-BS1) Continued				Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 15:43						
Aldrin	0.53	0.050	ug/L	1.00		53	51-126			
Dieldrin	0.77	0.050	ug/L	1.00		77	57-140			
Endrin	0.77	0.050	ug/L	1.00		77	61-140			
gamma-BHC	0.70	0.050	ug/L	1.00		70	47-136			
Heptachlor	0.53	0.050	ug/L	1.00		53	49-145			
Matrix Spike (6J25004-MS1)		**Source: C603999-06**		Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 16:07						
4,4'-DDT	0.76	0.050	ug/L	1.00	0.050 U	76	48-163			
Aldrin	0.48	0.050	ug/L	1.00	0.050 U	48	31-159			
Dieldrin	0.70	0.050	ug/L	1.00	0.050 U	70	41-157			
Endrin	0.70	0.050	ug/L	1.00	0.050 U	70	41-157			
gamma-BHC	0.51	0.050	ug/L	1.00	0.050 U	51	41-133			
Heptachlor	0.44	0.050	ug/L	1.00	0.050 U	44	34-169			
Matrix Spike Dup (6J25004-MSD1)		**Source: C603999-06**		Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 16:31						
4,4'-DDT	0.73	0.050	ug/L	1.00	0.050 U	73	48-163	4	31	
Aldrin	0.50	0.050	ug/L	1.00	0.050 U	50	31-159	4	27	
Dieldrin	0.72	0.050	ug/L	1.00	0.050 U	72	41-157	3	28	
Endrin	0.72	0.050	ug/L	1.00	0.050 U	72	41-157	4	28	
gamma-BHC	0.56	0.050	ug/L	1.00	0.050 U	56	41-133	9	24	
Heptachlor	0.46	0.050	ug/L	1.00	0.050 U	46	34-169	5	27	
Batch CA00090 - 6J25004										
Instrument Blank (CA00090-IBL1)				Prepared: 10/25/2006 00:00 Analyzed: 10/25/2006 12:24						
4,4'-DDD	1.3	0.050	ug/mL							
4,4'-DDE	0.70	0.050	ug/mL							
4,4'-DDT	0.70	0.050	ug/mL							
Aldrin	0.30	0.050	ug/mL							
alpha-BHC	1.1	0.050	ug/mL							
beta-BHC	3.0	0.050	ug/mL							
Chlordane-gamma	0.60	0.050	ug/mL							
delta-BHC	6.1	0.050	ug/mL							
Dieldrin	0.60	0.050	ug/mL							
Endosulfan I	0.70	0.050	ug/mL							
Endosulfan II	1.6	0.050	ug/mL							
Endosulfan sulfate	3.6	0.050	ug/mL							
Endrin	0.60	0.050	ug/mL							
Endrin aldehyde	4.0	0.050	ug/mL							
gamma-BHC	3.6	0.050	ug/mL							
Heptachlor	0.40	0.050	ug/mL							
Heptachlor epoxide	0.70	0.050	ug/mL							
Methoxychlor	1.4	0.050	ug/mL							
Toxaphene	1.0 U	1.0	ug/mL							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Organochlorine Pesticides by GC - Quality Control										
Batch CA00090 - 6J25004										
Instrument Blank (CA00090-IBL2)				Prepared: 10/25/2006 00:00 Analyzed: 10/26/2006 04:22						
4,4'-DDD	0.050 U	0.050	ug/mL							
4,4'-DDE	0.050 U	0.050	ug/mL							
4,4'-DDT	0.050 U	0.050	ug/mL							
Aldrin	0.050 U	0.050	ug/mL							
alpha-BHC	0.050 U	0.050	ug/mL							
beta-BHC	0.050 U	0.050	ug/mL							
Chlordane-gamma	0.050 U	0.050	ug/mL							
delta-BHC	0.050 U	0.050	ug/mL							
Dieldrin	0.050 U	0.050	ug/mL							
Endosulfan I	0.050 U	0.050	ug/mL							
Endosulfan II	0.050 U	0.050	ug/mL							
Endosulfan sulfate	0.050 U	0.050	ug/mL							
Endrin	0.050 U	0.050	ug/mL							
Endrin aldehyde	0.050 U	0.050	ug/mL							
gamma-BHC	0.050 U	0.050	ug/mL							
Heptachlor	0.050 U	0.050	ug/mL							
Heptachlor epoxide	0.050 U	0.050	ug/mL							
Methoxychlor	0.050 U	0.050	ug/mL							
Toxaphene	1.0 U	1.0	ug/mL							
Polychlorinated Biphenyls by GC - Quality Control										
Batch 6J25004 - EPA 3510C										
Blank (6J25004-BLK1)				Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 15:20						
PCB-1016/1242	1.0 U	1.0	ug/L							
PCB-1221	1.0 U	1.0	ug/L							
PCB-1232	1.0 U	1.0	ug/L							
PCB-1248	1.0 U	1.0	ug/L							
PCB-1254	1.0 U	1.0	ug/L							
PCB-1260	1.0 U	1.0	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.61*		*ug/L*	*1.00*		*61*	*27-125*			
Surrogate: DBC	*0.88*		*ug/L*	*1.00*		*88*	*46-130*			
LCS (6J25004-BS2)				Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 17:18						
PCB-1016/1242	7.6	1.0	ug/L	10.0		76	50-150			
PCB-1260	8.1	1.0	ug/L	10.0		81	50-150			
Surrogate: 2,4,5,6-TCMX	*0.48*		*ug/L*	*1.00*		*48*	*27-125*			
Surrogate: DBC	*1.5*		*ug/L*	*1.00*		*154*	*46-130*			
Matrix Spike (6J25004-MS2)		**Source: C603999-06**		Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 17:42						
PCB-1016/1242	8.0	1.0	ug/L	10.0	1.0 U	80	54-136			
PCB-1260	8.3	1.0	ug/L	10.0	1.0 U	83	48-145			
Surrogate: 2,4,5,6-TCMX	*0.44*		*ug/L*	*1.00*		*44*	*27-125*			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Polychlorinated Biphenyls by GC - Quality Control										
Batch 6J25004 - EPA 3510C										
Matrix Spike (6J25004-MS2) Continued		**Source: C603999-06**		Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 17:42						
Surrogate: DBC	*1.4*		*ug/L*	*1.00*		*142*	*46-130*			
Matrix Spike Dup (6J25004-MSD2)		**Source: C603999-06**		Prepared: 10/25/2006 07:30 Analyzed: 10/25/2006 18:06						
PCB-1016/1242	8.0	1.0	ug/L	10.0	1.0 U	80	54-136	0.3	35	
PCB-1260	7.9	1.0	ug/L	10.0	1.0 U	79	48-145	6	30	
Surrogate: 2,4,5,6-TCMX	*0.61*		*ug/L*	*1.00*		*61*	*27-125*			
Surrogate: DBC	*1.5*		*ug/L*	*1.00*		*152*	*46-130*			
Batch CA00090 - 6J25004										
Aroclor Reference (CA00090-ARC1)				Prepared: 10/25/2006 00:00 Analyzed: 10/25/2006 14:47						
PCB-1016/1242	0.98	0.10	ug/mL	1.00		98				
PCB-1260	0.91	0.10	ug/mL	1.00		91				
Aroclor Reference (CA00090-ARC2)				Prepared: 10/25/2006 00:00 Analyzed: 10/25/2006 20:04						
PCB-1016/1242	1.0	0.10	ug/mL	1.00		102				
PCB-1260	0.95	0.10	ug/mL	1.00		95				
Aroclor Reference (CA00090-ARC3)				Prepared: 10/25/2006 00:00 Analyzed: 10/26/2006 01:12						
PCB-1016/1242	1.1	0.10	ug/mL	1.00		106				
PCB-1260	0.97	0.10	ug/mL	1.00		97				
Aroclor Reference (CA00090-ARC4)				Prepared: 10/25/2006 00:00 Analyzed: 10/26/2006 03:58						
PCB-1016/1242	1.1	0.10	ug/mL	1.00		106				
PCB-1260	0.95	0.10	ug/mL	1.00		95				
Instrument Blank (CA00090-IBL1)				Prepared: 10/25/2006 00:00 Analyzed: 10/25/2006 12:24						
PCB-1016/1242	1.0 U	1.0	ug/mL							
PCB-1221	1.0 U	1.0	ug/mL							
PCB-1232	1.0 U	1.0	ug/mL							
PCB-1248	1.0 U	1.0	ug/mL							
PCB-1254	1.0 U	1.0	ug/mL							
PCB-1260	1.0 U	1.0	ug/mL							
Surrogate: 2,4,5,6-TCMX	*0.70*		*ug/mL*				*27-125*			
Surrogate: DBC	*0.90*		*ug/mL*				*46-130*			
Instrument Blank (CA00090-IBL2)				Prepared: 10/25/2006 00:00 Analyzed: 10/26/2006 04:22						
PCB-1016/1242	1.0 U	1.0	ug/mL							
PCB-1221	1.0 U	1.0	ug/mL							
PCB-1232	1.0 U	1.0	ug/mL							
PCB-1248	1.0 U	1.0	ug/mL							
PCB-1254	1.0 U	1.0	ug/mL							
PCB-1260	1.0 U	1.0	ug/mL							
Surrogate: 2,4,5,6-TCMX	*0.0*		*ug/mL*				*27-125*			
Surrogate: DBC	*0.0*		*ug/mL*				*46-130*			
Metals by EPA 6000/7000 Series Methods - Quality Control										

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23016 - EPA 3005A										
Blank (6J23016-BLK1)				Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:02						
Antimony	10.0 U	10.0	ug/L							
Arsenic	10.0 U	10.0	ug/L							
Barium	10.0 U	10.0	ug/L							
Beryllium	1.00 U	1.00	ug/L							
Cadmium	1.00 U	1.00	ug/L							
Chromium	10.0 U	10.0	ug/L							
Cobalt	10.0 U	10.0	ug/L							
Copper	10.0 U	10.0	ug/L							
Lead	10.0 U	10.0	ug/L							
Nickel	10.0 U	10.0	ug/L							
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							
Thallium	10.0 U	10.0	ug/L							
Tin	10.0 U	10.0	ug/L							
Vanadium	10.0 U	10.0	ug/L							
Zinc	10.0 U	10.0	ug/L							
LCS (6J23016-BS1)				Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:09						
Antimony	550	10.0	ug/L	500		110	82-119			
Arsenic	1100	10.0	ug/L	1000		110	82-117			
Barium	1010	10.0	ug/L	1000		101	72-125			
Beryllium	554	1.00	ug/L	500		111	75-121			
Cadmium	546	1.00	ug/L	500		109	72-120			
Chromium	1060	10.0	ug/L	1000		106	78-119			
Cobalt	1090	10.0	ug/L	1000		109	76-117			
Copper	514	10.0	ug/L	500		103	80-117			
Lead	1120	10.0	ug/L	1000		112	72-121			
Nickel	1080	10.0	ug/L	1000		108	78-116			
Selenium	1150	10.0	ug/L	1000		115	82-127			
Silver	101	10.0	ug/L	100		101	80-128			
Thallium	552	10.0	ug/L	500		110	79-118			
Tin	1160	10.0	ug/L	1000		116	83-117			
Vanadium	516	10.0	ug/L	500		103	78-117			
Zinc	1150	10.0	ug/L	1000		115	80-120			
Matrix Spike (6J23016-MS1)		**Source: C603832-01**		Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:27						
Antimony	567	10.0	ug/L	500	10.0 U	113	38-138			
Arsenic	1150	10.0	ug/L	1000	10.0 U	115	64-126			
Barium	1120	10.0	ug/L	1000	89.8	104	74-119			
Beryllium	558	1.00	ug/L	500	1.00 U	112	70-131			
Cadmium	540	1.00	ug/L	500	1.00 U	108	68-121			
Chromium	1030	10.0	ug/L	1000	10.0 U	103	73-120			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23016 - EPA 3005A										
Matrix Spike (6J23016-MS1) Continued		**Source: C603832-01**		Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:27						
Cobalt	1120	10.0	ug/L	1000	40.5	108	76-120			
Copper	570	10.0	ug/L	500	26.5	109	75-123			
Lead	1120	10.0	ug/L	1000	10.0 U	112	68-126			
Nickel	1170	10.0	ug/L	1000	122	105	64-126			
Selenium	1200	10.0	ug/L	1000	10.0 U	120	65-129			
Silver	109	10.0	ug/L	100	10.0 U	109	69-121			
Thallium	550	10.0	ug/L	500	10.0 U	110	67-135			
Tin	1180	10.0	ug/L	1000	4.50	118	81-124			
Vanadium	472	10.0	ug/L	500	10.0 U	94	71-130			
Zinc	1130	10.0	ug/L	1000	10.0 U	113	63-131			
Matrix Spike Dup (6J23016-MSD1)		**Source: C603832-01**		Prepared: 10/23/2006 10:59 Analyzed: 10/24/2006 14:34						
Antimony	556	10.0	ug/L	500	10.0 U	111	38-138	2	30	
Arsenic	1120	10.0	ug/L	1000	10.0 U	112	64-126	3	12	
Barium	1100	10.0	ug/L	1000	89.8	101	74-119	2	11	
Beryllium	544	1.00	ug/L	500	1.00 U	109	70-131	2	21	
Cadmium	525	1.00	ug/L	500	1.00 U	105	68-121	3	12	
Chromium	1000	10.0	ug/L	1000	10.0 U	100	73-120	3	10	
Cobalt	1090	10.0	ug/L	1000	40.5	105	76-120	3	17	
Copper	554	10.0	ug/L	500	26.5	106	75-123	3	16	
Lead	1100	10.0	ug/L	1000	10.0 U	110	68-126	2	19	
Nickel	1140	10.0	ug/L	1000	122	102	64-126	3	12	
Selenium	1170	10.0	ug/L	1000	10.0 U	117	65-129	2	10	
Silver	105	10.0	ug/L	100	10.0 U	105	69-121	4	12	
Thallium	536	10.0	ug/L	500	10.0 U	107	67-135	3	13	
Tin	1160	10.0	ug/L	1000	4.50	115	81-124	2	18	
Vanadium	460	10.0	ug/L	500	10.0 U	92	71-130	3	16	
Zinc	1100	10.0	ug/L	1000	10.0 U	110	63-131	3	24	
Batch 6J23021 - EPA 7470A										
Blank (6J23021-BLK1)				Prepared: 10/23/2006 12:30 Analyzed: 10/24/2006 16:33						
Mercury	0.20 U	0.20	ug/L							
LCS (6J23021-BS1)				Prepared: 10/23/2006 12:30 Analyzed: 10/24/2006 16:34						
Mercury	5.52	0.20	ug/L	5.00		110	87-123			
Matrix Spike (6J23021-MS1)		**Source: C603737-01**		Prepared: 10/23/2006 12:30 Analyzed: 10/24/2006 16:39						
Mercury	1.18	0.20	ug/L	1.00	0.184	99	63-132			
Matrix Spike Dup (6J23021-MSD1)		**Source: C603737-01**		Prepared: 10/23/2006 12:30 Analyzed: 10/24/2006 16:41						
Mercury	1.17	0.20	ug/L	1.00	0.184	99	63-132	0.3	10	
Post Spike (6J23021-PS1)		**Source: C603737-01**		Prepared: 10/23/2006 12:30 Analyzed: 10/24/2006 16:43						
Mercury	4.90	0.20	ug/L	5.00	0.184	94	85-115			
Batch 6J24011 - EPA 3005A										

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J24011 - EPA 3005A										
Blank (6J24011-BLK1)				Prepared: 10/24/2006 10:28 Analyzed: 10/25/2006 09:47						
Antimony	10.0 U	10.0	ug/L							
Arsenic	10.0 U	10.0	ug/L							
Barium	10.0 U	10.0	ug/L							
Beryllium	1.00 U	1.00	ug/L							
Cadmium	1.00 U	1.00	ug/L							
Chromium	10.0 U	10.0	ug/L							
Cobalt	10.0 U	10.0	ug/L							
Copper	10.0 U	10.0	ug/L							
Lead	10.0 U	10.0	ug/L							
Nickel	10.0 U	10.0	ug/L							
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							
Thallium	10.0 U	10.0	ug/L							
Tin	10.0 U	10.0	ug/L							
Vanadium	10.0 U	10.0	ug/L							
Zinc	10.0 U	10.0	ug/L							
LCS (6J24011-BS1)				Prepared: 10/24/2006 10:28 Analyzed: 10/25/2006 09:54						
Antimony	538	10.0	ug/L	500		108	82-119			
Arsenic	1040	10.0	ug/L	1000		104	82-117			
Barium	1040	10.0	ug/L	1000		104	72-125			
Beryllium	544	1.00	ug/L	500		109	75-121			
Cadmium	545	1.00	ug/L	500		109	72-120			
Chromium	1050	10.0	ug/L	1000		105	78-119			
Cobalt	1060	10.0	ug/L	1000		106	76-117			
Copper	519	10.0	ug/L	500		104	80-117			
Lead	1080	10.0	ug/L	1000		108	72-121			
Nickel	1080	10.0	ug/L	1000		108	78-116			
Selenium	1140	10.0	ug/L	1000		114	82-127			
Silver	102	10.0	ug/L	100		102	80-128			
Thallium	548	10.0	ug/L	500		110	79-118			
Tin	970	10.0	ug/L	1000		97	83-117			
Vanadium	516	10.0	ug/L	500		103	78-117			
Zinc	1080	10.0	ug/L	1000		108	80-120			
Matrix Spike (6J24011-MS1)		**Source: C603555-01**		Prepared: 10/24/2006 10:28 Analyzed: 10/25/2006 10:10						
Antimony	572	10.0	ug/L	500	10.0 U	114	38-138			
Arsenic	1130	10.0	ug/L	1000	2.00	113	64-126			
Barium	1470	10.0	ug/L	1000	390	108	74-119			
Beryllium	569	1.00	ug/L	500	1.00 U	114	70-131			
Cadmium	557	1.00	ug/L	500	1.00 U	111	68-121			
Chromium	1050	10.0	ug/L	1000	10.0 U	105	73-120			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J24011 - EPA 3005A										
Matrix Spike (6J24011-MS1) Continued		**Source: C603555-01**		Prepared: 10/24/2006 10:28 Analyzed: 10/25/2006 10:10						
Cobalt	1080	10.0	ug/L	1000	10.8	107	76-120			
Copper	545	10.0	ug/L	500	10.0 U	109	75-123			
Lead	1100	10.0	ug/L	1000	10.0 U	110	68-126			
Nickel	1100	10.0	ug/L	1000	7.90	109	64-126			
Selenium	1150	10.0	ug/L	1000	10.0 U	115	65-129			
Silver	87.6	10.0	ug/L	100	10.0 U	88	69-121			
Thallium	552	10.0	ug/L	500	10.0 U	110	67-135			
Tin	1040	10.0	ug/L	1000	10.0 U	104	81-124			
Vanadium	453	10.0	ug/L	500	10.0 U	91	71-130			
Zinc	1100	10.0	ug/L	1000	6.60	109	63-131			
Matrix Spike Dup (6J24011-MSD1)		**Source: C603555-01**		Prepared: 10/24/2006 10:28 Analyzed: 10/25/2006 10:17						
Antimony	569	10.0	ug/L	500	10.0 U	114	38-138	0.6	30	
Arsenic	1140	10.0	ug/L	1000	2.00	114	64-126	0.9	12	
Barium	1470	10.0	ug/L	1000	390	108	74-119	0.5	11	
Beryllium	572	1.00	ug/L	500	1.00 U	114	70-131	0.5	21	
Cadmium	561	1.00	ug/L	500	1.00 U	112	68-121	0.7	12	
Chromium	1060	10.0	ug/L	1000	10.0 U	106	73-120	0.6	10	
Cobalt	1080	10.0	ug/L	1000	10.8	107	76-120	0.5	17	
Copper	543	10.0	ug/L	500	10.0 U	109	75-123	0.3	16	
Lead	1100	10.0	ug/L	1000	10.0 U	110	68-126	0.3	19	
Nickel	1110	10.0	ug/L	1000	7.90	110	64-126	0.7	12	
Selenium	1160	10.0	ug/L	1000	10.0 U	116	65-129	0.8	10	
Silver	41.9 QM-05	10.0	ug/L	100	10.0 U	42	69-121	71	12	QM-05
Thallium	553	10.0	ug/L	500	10.0 U	111	67-135	0.2	13	
Tin	1050	10.0	ug/L	1000	10.0 U	105	81-124	1	18	
Vanadium	454	10.0	ug/L	500	10.0 U	91	71-130	0.3	16	
Zinc	1110	10.0	ug/L	1000	6.60	110	63-131	1	24	
Classical Chemistry Parameters - Quality Control										
Batch 6J27001 - NO PREP										
Blank (6J27001-BLK1)				Prepared & Analyzed: 10/27/2006						
Sulfide	1.0 U	1.0	mg/L							
LCS (6J27001-BS1)				Prepared & Analyzed: 10/27/2006						
Sulfide	3.50	1.0	mg/L	4.01		87	65-132			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorinated Herbicides by GC - Quality Control										
Batch 6J24003 - EPA 3510C										

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorinated Herbicides by GC - Quality Control										
Batch 6J24003 - EPA 3510C										
Blank (6J24003-BLK1)				Prepared: 10/24/2006 09:37 Analyzed: 10/26/2006 14:17						
2,4,5-TP (Silvex)	0.046 U	0.30	ug/L							
2,4-D	0.090 U	0.30	ug/L							
Pentachlorophenol	0.055 U	0.30	ug/L							
2,4,5-T	0.056 U	0.30	ug/L							
Dinoseb	0.20 U	0.30	ug/L							
Surrogate: 2,4-DCAA	*2.3*		*ug/L*	*2.00*		*113*	*9-172*			
LCS (6J24003-BS1)				Prepared: 10/24/2006 09:37 Analyzed: 10/26/2006 14:47						
2,4,5-TP (Silvex)	3.2	0.30	ug/L	2.00		162	29-192			
2,4-D	3.0	0.30	ug/L	2.00		151	34-197			
Surrogate: 2,4-DCAA	*3.3*		*ug/L*	*2.00*		*166*	*9-172*			
Matrix Spike (6J24003-MS1)		**Source: A605263-04**		Prepared: 10/24/2006 09:37 Analyzed: 10/26/2006 15:16						
2,4,5-TP (Silvex)	3.3 QM-07	0.30	ug/L	2.00	0.046 U	165	27-155			QM-07
2,4-D	2.9 QM-07	0.30	ug/L	2.00	0.090 U	145	40-139			QM-07
Surrogate: 2,4-DCAA	*2.8*		*ug/L*	*2.00*		*138*	*9-172*			
Matrix Spike Dup (6J24003-MSD1)		**Source: A605263-04**		Prepared: 10/24/2006 09:37 Analyzed: 10/26/2006 15:46						
2,4,5-TP (Silvex)	3.2 QM-07	0.30	ug/L	2.00	0.046 U	161	27-155	2	30	QM-07
2,4-D	2.9 QM-07	0.30	ug/L	2.00	0.090 U	144	40-139	0.6	20	QM-07
Surrogate: 2,4-DCAA	*2.8*		*ug/L*	*2.00*		*139*	*9-172*			
Classical Chemistry Parameters - Quality Control										
Batch 6J23002 - NO PREP										
Blank (6J23002-BLK1)				Prepared: 10/23/2006 14:14 Analyzed: 10/23/2006 23:00						
Cyanide (total)	0.006 U	0.010	mg/L							
Blank (6J23002-BLK2)				Prepared: 10/24/2006 08:10 Analyzed: 10/24/2006 22:48						
Cyanide (total)	0.006 U	0.010	mg/L							
Blank (6J23002-BLK3)				Prepared: 10/24/2006 10:43 Analyzed: 10/24/2006 22:48						
Cyanide (total)	0.006 U	0.010	mg/L							
LCS (6J23002-BS1)				Prepared: 10/23/2006 14:14 Analyzed: 10/23/2006 23:00						
Cyanide (total)	0.194	0.010	mg/L	0.199		97	83.7-110			
LCS (6J23002-BS2)				Prepared: 10/24/2006 08:10 Analyzed: 10/24/2006 22:48						
Cyanide (total)	0.188	0.010	mg/L	0.199		94	83.7-110			
LCS (6J23002-BS3)				Prepared: 10/24/2006 10:43 Analyzed: 10/24/2006 22:48						
Cyanide (total)	0.189	0.010	mg/L	0.199		95	83.7-110			
Matrix Spike (6J23002-MS1)		**Source: C603832-11**		Prepared: 10/23/2006 14:14 Analyzed: 10/23/2006 23:00						
Cyanide (total)	0.193	0.010	mg/L	0.199	0.006 U	97	83.7-110			
Matrix Spike Dup (6J23002-MSD1)		**Source: C603832-11**		Prepared: 10/23/2006 14:14 Analyzed: 10/23/2006 23:00						
Cyanide (total)	0.199	0.010	mg/L	0.199	0.006 U	100	83.7-110	3	20	
Batch 6J26002 - NO PREP										
Blank (6J26002-BLK1)				Prepared: 10/26/2006 07:11 Analyzed: 10/26/2006 20:37						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Classical Chemistry Parameters - Quality Control										
Batch 6J26002 - NO PREP										
Cyanide (total)	0.006 U	0.010	mg/L							
LCS (6J26002-BS1)				Prepared: 10/26/2006 07:11 Analyzed: 10/26/2006 20:37						
Cyanide (total)	0.189	0.010	mg/L	0.199		95	83.7-110			
Matrix Spike (6J26002-MS1)		**Source: C603832-18**		Prepared: 10/26/2006 07:11 Analyzed: 10/26/2006 20:37						
Cyanide (total)	0.188	0.010	mg/L	0.199	0.006 U	94	83.7-110			
Matrix Spike Dup (6J26002-MSD1)		**Source: C603832-18**		Prepared: 10/26/2006 07:11 Analyzed: 10/26/2006 20:37						
Cyanide (total)	0.187	0.010	mg/L	0.199	0.006 U	94	83.7-110	0.5	20	

NOTES AND DEFINITIONS

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
U	Analyte included in the analysis, but not detected

Laboratory Certification Summary

Analysis	Matrix	Cert ID	Cert Number
8081A Appendix 2	Water	NC	591
8082 Appendix 2	Water	NC	591
8260B Appendix 1	Water	NC	591
8260B Appendix 2	Water	NC	591
8270C Appendix 2	Water	NC	591
Antimony Total EPA 6010B	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Sulfide 376.1	Water	NC	591
Thallium Total EPA 6010B	Water	NC	591
Tin Total EPA 6010B	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591
8151A Appendix 2	Water	NC	424
Cyanide Total 9014	Water	NC	424

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App IIs
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Facility # (if required)

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081A Appendix 2,8082 Appendix 2,8151A Appendix 2,8270C Appendix 2	8260B Appendix 1	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Hg,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 9014	Sulfide 376.1					Sample Comments
	I-5	10/19/06	1015	Grab	Water	11	X		X	X	X	X					
	II-1	10/19/06	1315	Grab	Water	11	X		X	X	X	X					
	II-2	10/19/06	12:45	"	Water	11	X		X	X	X	X					
	II-3	10/20/06	08:15	"	Water	11	X		X	X	X	X					
	II-4	10/20/06	9:45	Grab	Water	11	X		X	X	X	X					
	II-5	10/20/06	11:40	Grab	Water	11	X		X	X	X	X					
	II-6	10/19/06	1135	Grab	Water	11	X		X	X	X	X					
	II-7	10/19/06	16:10	"	Water	11	X		X	X	X	X					
	II-7B	10/19/06	1435	Grab	Water	11	X		X	X	X	X					
	II-8	10/19/06	0820	Grab	Water	11	X		X	X	X	X					
	MW-13				Water	11	X		X	X	X	X					
	MW-14	10/20/06	13:25	Grab	Water	11	X		X	X	X	X					
							<-- Total # of Containers										

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C603832

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 10/20/06 1325	Received By James Hargo
Comments		Relinquished By	Date/Time	Received By
		Relinquished By	Date/Time	Received By

Date/Time 10/20/06 1325

Cooler #'s & Temps on Receipt: 3°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
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Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App IIs
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C603832

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081A Appendix 2,8082 Appendix 2,8151A Appendix 2,8270C Appendix 2	8260B Appendix 1	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Hg,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 9014	Sulfide 376.1					Sample Comments
	Duplicate-II	10/19/06	0700	Grab	Water	11	X		X	X	X	X					
	Trip Blank#1				Water	3			X								
	Trip Blank#2				Water	3			X								
	SW-II-7UP	10/19/06	1230	Grab	Water	3		X									
	SW-II-7	10/19/06	1215	Grab	Water	3		X									
	SW-II-7 DOWN	10/19/06	1200	Grab	Water	3		X									

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 10/20/06 1325	Received By	Date/Time 10/20/06 1325
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 3°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

QSARF #_____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
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1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
White St. Landfill App II		

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
NC	Gary Simcox	336-288-7180	

CLIENT NAME	CLIENT PROJECT MANAGER
SIME, INC. (SM004)	Ed Henriques

CLIENT ADDRESS (CITY, STATE, ZIP): 3718 Old Battleground Rd. Greensboro, NC

PAGE _____ OF _____

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:_____

SAMPLE STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	PRESERVATIVE	REQUIRED ANALYSIS: 8081 A App II, 8082 App II, 8151A App. II	8270C App. II	8260B App. II	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Ni,	Pb, Sb, Se, Sn, Tl, V, Zn	Cyanide Total 9014	Sulfide 376.1	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1	10/20/06	1500	✓		MW-13		✓									X	X	X	X	X	X	X		
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE 10/23/06	TIME	RECEIVED BY: (SIGNATURE)	DATE 10/24/06	TIME 10:20	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐ Jacksonville ☐ Orlando	DATE	TIME	CUSTODY INTACT ☐ YES ☐ NO	ENCO LOG NO.	REMARKS

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-13	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

ANALYTICAL REPORT

Sample ID:	SW-1	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-13	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	40	50.0	79 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	108 %	73-138
Toluene-d8	2037-26-5	56	50.0	112 %	77-118

ANALYTICAL REPORT

Sample ID: SW-1
Lab #: C603833-13

Project: White Street Landfill AppI Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	White Street Landfill AppI Monitoring Well
Lab #:	C603833-14	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

ANALYTICAL REPORT

Sample ID:	SW-2	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-14	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	41	50.0	82 %	70-130
Dibromofluoromethane	1868-53-7	53	50.0	106 %	73-138
Toluene-d8	2037-26-5	56	50.0	111 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-2
Lab #: C603833-14

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

ANALYTICAL REPORT

Sample ID:	SW-3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-15	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

ANALYTICAL REPORT

Sample ID:	SW-3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-15	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	40	50.0	80 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	108 %	73-138
Toluene-d8	2037-26-5	57	50.0	113 %	77-118

ANALYTICAL REPORT

Sample ID: SW-3
Lab #: C603833-15

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	**60.9**	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	SW-4	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-16	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

ANALYTICAL REPORT

Sample ID:	SW-4	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-16	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	42	50.0	84 %	70-130
Dibromofluoromethane	1868-53-7	53	50.0	106 %	73-138
Toluene-d8	2037-26-5	54	50.0	108 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-4
Lab #: C603833-16

Project: White Street Landfill AppI Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

ANALYTICAL REPORT

Sample ID:	SW-5	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-17	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

ANALYTICAL REPORT

Sample ID:	SW-5	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-17	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	39	50.0	77 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	109 %	73-138
Toluene-d8	2037-26-5	53	50.0	106 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-5
Lab #: C603833-17

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J26003 - EPA 5030B_MS

Blank (6J26003-BLK1) Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 11:20

Acetone	5.0 U	5.0	ug/L
Acrylonitrile	5.0 U	5.0	ug/L
Benzene	1.0 U	1.0	ug/L
2-Butanone	5.0 U	5.0	ug/L
2-Hexanone	5.0 U	5.0	ug/L
Iodomethane	2.0 U	2.0	ug/L
Tetrachloroethene	1.0 U	1.0	ug/L
4-Methyl-2-pentanone	5.0 U	5.0	ug/L
Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	0.40 U	0.40	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	5.0 U	5.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Ethylbenzene	1.0 U	1.0	ug/L
Methylene chloride	2.0 U	2.0	ug/L
Styrene	1.0 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L
Toluene	1.0 U	1.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J26003 - EPA 5030B_MS										
Blank (6J26003-BLK1) Continued				Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 11:20						
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*58*		*ug/L*	*50.0*		*116*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*46*		*ug/L*	*50.0*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*63*		*ug/L*	*50.0*		*125*	*73-138*			
LCS (6J26003-BS1)				Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 20:10						
Benzene	18	1.0	ug/L	20.0		91	69-115			
Trichloroethene	18	1.0	ug/L	20.0		90	74-118			
Chlorobenzene	20	1.0	ug/L	20.0		100	76-118			
1,1-Dichloroethene	24	1.0	ug/L	20.0		120	64-139			
Toluene	19	1.0	ug/L	20.0		93	77-117			
Matrix Spike (6J26003-MS1)		**Source: C603999-07**		Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 20:36						
Benzene	22	1.0	ug/L	20.0	1.0 U	111	53-150			
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	101	64-124			
Chlorobenzene	23	1.0	ug/L	20.0	1.0 U	114	44-128			
1,1-Dichloroethene	26	1.0	ug/L	20.0	1.0 U	128	36-177			
Toluene	21	1.0	ug/L	20.0	1.0 U	106	40-161			
Matrix Spike Dup (6J26003-MSD1)		**Source: C603999-07**		Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 21:02						
Benzene	21	1.0	ug/L	20.0	1.0 U	104	53-150	6	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	99	64-124	2	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	109	44-128	5	22	
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	124	36-177	3	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	95	40-161	11	23	
Batch 6J27006 - EPA 5030B_MS										
Blank (6J27006-BLK1)				Prepared: 10/27/2006 08:44 Analyzed: 10/27/2006 22:19						
Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J27006 - EPA 5030B_MS

Blank (6J27006-BLK1) Continued Prepared: 10/27/2006 08:44 Analyzed: 10/27/2006 22:19

Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	0.40 U	0.40	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	5.0 U	5.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Ethylbenzene	1.0 U	1.0	ug/L
Methylene chloride	2.0 U	2.0	ug/L
Styrene	1.0 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L
Toluene	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	1.0 U	1.0	ug/L
Trichlorofluoromethane	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	1.0 U	1.0	ug/L
Vinyl acetate	2.0 U	2.0	ug/L
Vinyl chloride	1.0 U	1.0	ug/L
m,p-Xylenes	2.0 U	2.0	ug/L
o-Xylene	1.0 U	1.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J27006 - EPA 5030B_MS										
LCS (6J27006-BS1)				Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 07:11						
Benzene	21	1.0	ug/L	20.0		104	69-115			
Trichloroethene	21	1.0	ug/L	20.0		105	74-118			
Chlorobenzene	23	1.0	ug/L	20.0		114	76-118			
1,1-Dichloroethene	23	1.0	ug/L	20.0		116	64-139			
Toluene	21	1.0	ug/L	20.0		105	77-117			
Matrix Spike (6J27006-MS1)		**Source: C603737-01**		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 07:37						
Benzene	20	1.0	ug/L	20.0	1.0 U	101	53-150			
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	98	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	111	44-128			
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.0 U	117	36-177			
Toluene	20	1.0	ug/L	20.0	1.0 U	101	40-161			
Matrix Spike Dup (6J27006-MSD1)		**Source: C603737-01**		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 08:04						
Benzene	22	1.0	ug/L	20.0	1.0 U	109	53-150	8	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	99	64-124	1	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	111	44-128	0.05	22	
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.0 U	115	36-177	2	30	
Toluene	20	1.0	ug/L	20.0	1.0 U	99	40-161	2	23	
Batch 6J28002 - EPA 5030B_MS										
Blank (6J28002-BLK1)				Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 01:28						
Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	0.40 U	0.40	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	5.0 U	5.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J28002 - EPA 5030B_MS										
Blank (6J28002-BLK1) Continued				Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 01:28						
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*56*		*ug/L*	*50.0*		*112*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*47*		*ug/L*	*50.0*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*53*		*ug/L*	*50.0*		*106*	*73-138*			
LCS (6J28002-BS1)				Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 10:21						
Benzene	22	1.0	ug/L	20.0		112	69-115			
Trichloroethene	21	1.0	ug/L	20.0		106	74-118			
Chlorobenzene	22	1.0	ug/L	20.0		111	76-118			
1,1-Dichloroethene	24	1.0	ug/L	20.0		119	64-139			
Toluene	20	1.0	ug/L	20.0		102	77-117			
Matrix Spike (6J28002-MS1)		**Source: C603558-02**		Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 09:47						
Benzene	22	1.0	ug/L	20.0	1.0 U	108	53-150			
Trichloroethene	19	1.0	ug/L	20.0	1.1	90	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	108	44-128			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J28002 - EPA 5030B_MS										
Matrix Spike (6J28002-MS1) Continued		**Source: C603558-02**		Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 09:47						
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.8	108	36-177			
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161			
Matrix Spike Dup (6J28002-MSD1)		**Source: C603558-02**		Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 10:14						
Benzene	20	1.0	ug/L	20.0	1.0 U	102	53-150	6	23	
Trichloroethene	19	1.0	ug/L	20.0	1.1	88	64-124	2	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	110	44-128	2	22	
1,1-Dichloroethene	24	1.0	ug/L	20.0	1.8	110	36-177	2	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161	0.5	23	
Batch 6K01001 - EPA 5030B_MS										
Blank (6K01001-BLK1)				Prepared: 11/01/2006 05:20 Analyzed: 11/01/2006 07:15						
Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	0.40 U	0.40	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	5.0 U	5.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6K01001 - EPA 5030B_MS										
Blank (6K01001-BLK1) Continued				Prepared: 11/01/2006 05:20 Analyzed: 11/01/2006 07:15						
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
LCS (6K01001-BS1)				Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:00						
Benzene	23	1.0	ug/L	20.0		115	69-115			
Trichloroethene	22	1.0	ug/L	20.0		111	74-118			
Chlorobenzene	18	1.0	ug/L	20.0		92	76-118			
1,1-Dichloroethene	26	1.0	ug/L	20.0		128	64-139			
Toluene	19	1.0	ug/L	20.0		94	77-117			
Matrix Spike (6K01001-MS1)		**Source: C604091-02**		Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:25						
Benzene	21	1.0	ug/L	20.0	1.0 U	104	53-150			
Trichloroethene	19	1.0	ug/L	20.0	1.0 U	96	64-124			
Chlorobenzene	18	1.0	ug/L	20.0	1.0 U	89	44-128			
1,1-Dichloroethene	26	1.0	ug/L	20.0	1.0 U	128	36-177			
Toluene	20	1.0	ug/L	20.0	1.0 U	98	40-161			
Matrix Spike Dup (6K01001-MSD1)		**Source: C604091-02**		Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:51						
Benzene	21	1.0	ug/L	20.0	1.0 U	106	53-150	1	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	98	64-124	1	25	
Chlorobenzene	18	1.0	ug/L	20.0	1.0 U	92	44-128	3	22	
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	126	36-177	1	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161	4	23	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23019 - EPA 3005A										
Blank (6J23019-BLK1)				Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 09:47						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23019 - EPA 3005A										
Blank (6J23019-BLK1) Continued				Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 09:47						
Antimony	10.0 U	10.0	ug/L							
Arsenic	10.0 U	10.0	ug/L							
Barium	10.0 U	10.0	ug/L							
Beryllium	1.00 U	1.00	ug/L							
Cadmium	1.00 U	1.00	ug/L							
Chromium	10.0 U	10.0	ug/L							
Cobalt	10.0 U	10.0	ug/L							
Copper	10.0 U	10.0	ug/L							
Lead	10.0 U	10.0	ug/L							
Nickel	10.0 U	10.0	ug/L							
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							
Thallium	10.0 U	10.0	ug/L							
Vanadium	10.0 U	10.0	ug/L							
Zinc	10.0 U	10.0	ug/L							
LCS (6J23019-BS1)				Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 09:54						
Antimony	552	10.0	ug/L	500		110	82-119			
Arsenic	1100	10.0	ug/L	1000		110	82-117			
Barium	1120	10.0	ug/L	1000		112	72-125			
Beryllium	568	1.00	ug/L	500		114	75-121			
Cadmium	553	1.00	ug/L	500		111	72-120			
Chromium	1100	10.0	ug/L	1000		110	78-119			
Cobalt	1090	10.0	ug/L	1000		109	76-117			
Copper	554	10.0	ug/L	500		111	80-117			
Lead	1110	10.0	ug/L	1000		111	72-121			
Nickel	1090	10.0	ug/L	1000		109	78-116			
Selenium	1120	10.0	ug/L	1000		112	82-127			
Silver	106	10.0	ug/L	100		106	80-128			
Thallium	555	10.0	ug/L	500		111	79-118			
Vanadium	543	10.0	ug/L	500		109	78-117			
Zinc	1090	10.0	ug/L	1000		109	80-120			
Matrix Spike (6J23019-MS1)		**Source: C603833-01**		Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 10:12						
Antimony	541	10.0	ug/L	500	10.0 U	108	38-138			
Arsenic	1080	10.0	ug/L	1000	2.10	107	64-126			
Barium	1120	10.0	ug/L	1000	34.2	109	74-119			
Beryllium	558	1.00	ug/L	500	1.00 U	112	70-131			
Cadmium	538	1.00	ug/L	500	1.00 U	108	68-121			
Chromium	1070	10.0	ug/L	1000	10.0 U	107	73-120			
Cobalt	1060	10.0	ug/L	1000	10.0 U	106	76-120			
Copper	543	10.0	ug/L	500	10.0 U	109	75-123			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23019 - EPA 3005A										
Matrix Spike (6J23019-MS1) Continued		**Source: C603833-01**		Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 10:12						
Lead	1090	10.0	ug/L	1000	10.0 U	109	68-126			
Nickel	1060	10.0	ug/L	1000	10.0 U	106	64-126			
Selenium	1080	10.0	ug/L	1000	10.0 U	108	65-129			
Silver	104	10.0	ug/L	100	10.0 U	104	69-121			
Thallium	544	10.0	ug/L	500	4.40	108	67-135			
Vanadium	523	10.0	ug/L	500	10.0 U	105	71-130			
Zinc	1060	10.0	ug/L	1000	1.00	106	63-131			
Matrix Spike Dup (6J23019-MSD1)		**Source: C603833-01**		Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 10:19						
Antimony	572	10.0	ug/L	500	10.0 U	114	38-138	6	30	
Arsenic	1140	10.0	ug/L	1000	2.10	113	64-126	6	12	
Barium	1170	10.0	ug/L	1000	34.2	114	74-119	4	11	
Beryllium	587	1.00	ug/L	500	1.00 U	117	70-131	5	21	
Cadmium	565	1.00	ug/L	500	1.00 U	113	68-121	5	12	
Chromium	1120	10.0	ug/L	1000	10.0 U	112	73-120	5	10	
Cobalt	1110	10.0	ug/L	1000	10.0 U	111	76-120	5	17	
Copper	567	10.0	ug/L	500	10.0 U	113	75-123	4	16	
Lead	1140	10.0	ug/L	1000	10.0 U	114	68-126	5	19	
Nickel	1120	10.0	ug/L	1000	10.0 U	112	64-126	5	12	
Selenium	1140	10.0	ug/L	1000	10.0 U	114	65-129	5	10	
Silver	109	10.0	ug/L	100	10.0 U	109	69-121	4	12	
Thallium	571	10.0	ug/L	500	4.40	113	67-135	5	13	
Vanadium	549	10.0	ug/L	500	10.0 U	110	71-130	5	16	
Zinc	1120	10.0	ug/L	1000	1.00	112	63-131	6	24	

NOTES AND DEFINITIONS

U Analyte included in the analysis, but not detected

Laboratory Certification Summary

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6010B	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6010B	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

ENCO

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Appl Voa/RCRA Metals
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Cd,Cr,Hg,Pb,Se

Preservation (See Codes) (Combine as necessary)

Requested Turnaround Times
Note : Rush requests subject to acceptance by the facility
___ Standard
___ Expedited
Due ___/___/___

Lab Workorder: C603834

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Hg,Pb,Se	Sample Comments
	I-1	10/16/06	1035	Grab	Water	4	X	X	
	I-2	10/16/06	1130	Grab	Water	4	X	X	
	I-3	10/16/06	1230	Grab	Water	4	X	X	
	I-4	10/16/06	1335	Grab	Water	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	10/20/06 1335	[signature] James Hong	10/20/06 1335
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: 3°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
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4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Appl Monitoring Wells
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn								Sample Comments
	SW-1	10/19/06	0910	Grab	Water	4	X	X								
	SW-2	10/19/06	1020	Grab	Water	4	X	X								
	SW-3	10/19/06	0950	Grab	Water	4	X	X								
	SW-4	10/19/06	1040	Grab	Water	4	X	X								
	SW-5	10/19/06	1330	Grab	Water	4	X	X								
	DUPLICATE-III	10/18/06	0700	Grab	Water	4	X	X								
	Trip Blank#3				Water	3	X									

<-- Total # of Containers

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C603833

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 10/20/06 1335	Received By	Date/Time 10/20/06 1335
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist